

RCA

DVD/VCR User's Guide

Changing Entertainment. Again.



Important Information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

CAUTION

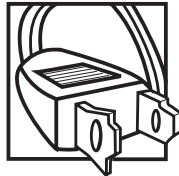
RISK OF ELECTRIC SHOCK. DO NOT OPEN.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.



Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

Cautions:

Class 1 Laser Product. This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel. Note: This unit can be used only where the power supply is AC 120 V, 50-60 Hz. It cannot be used elsewhere.

The DVD is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this player is Region No. 1.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

Note to Cable TV Installer:

This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Trade Name: RCA
Model: VC125HF
Equipment Classification: TV Interface Device
Responsible Party:
Thomson multimedia, Inc.
10330 N. Meridian Street
Indianapolis, IN 46290
Telephone 1-800-311-9263

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning the card allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

Key Features Overview

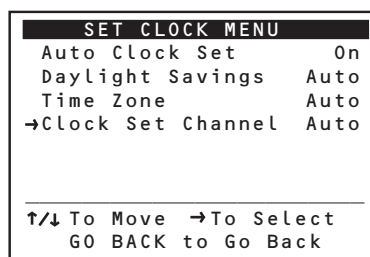
Your DVD/VCR is equipped with features that will add to your recording and viewing experience. The following information summarizes a few of these features.



VCR Plus+® System

The VCR Plus+ system allows for simple timer recording programming by using a single PlusCode® programming number found in most TV program listings.

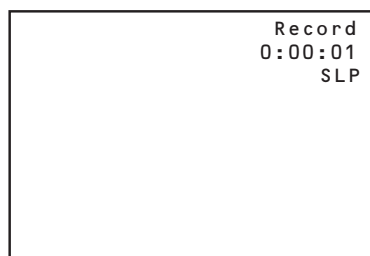
Requirements: Make sure the VCR Plus+ system is active, you have run the Auto Channel Search, and the time is correctly set.



Auto Clock Set

Description: The DVD/VCR can automatically look for time and date information after most power outages as well as each time the machine is turned off. Using time information broadcast in TV signals (if available), the DVD/VCR's clock sets itself.

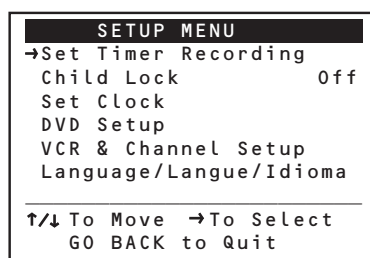
Requirements: Start Auto Clock Set using the DVD/VCR's on-screen menus.



One-Touch Recording (OTR)

Description: OTR quickly records the remaining portion of a program already in progress. It is a great way to capture the end of a sporting event that has run into overtime or a live broadcast that runs long.

Requirements: A tape with its safety tab in place and enough tape to record a program must be inserted into the VCR. Repeatedly press the Record button on the DVD/VCR front panel or remote to set the desired duration of time to record (up to nine and a half hours).

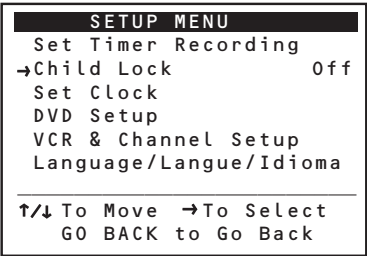


Timer Recordings

Description: Your DVD/VCR allows you to program up to 16 different future broadcasts to be recorded. You can set a one-time, daily, Monday thru Friday, or weekly broadcast to record.

Requirements: The DVD/VCR's clock must be set correctly. A tape with its safety tab in place and enough tape to record a program must be inserted into the VCR. For a cable box or satellite receiver, turn it on and tune it to the channel you want to record before the recording is to begin.

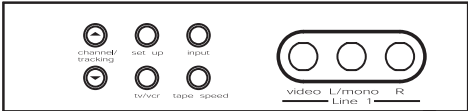
Introduction



Child Lock

Description: Locks the DVD/VCR so that buttons on the front panel won't operate the player. This feature protects the DVD/VCR from children tampering with the buttons.

Requirements: Lock the DVD/VCR by pressing SETUP on the remote, selecting *Child Lock* and pressing the right arrow button to choose *On*.



Front Audio/Video Input Jacks

Description: The DVD/VCR has Audio/Video (A/V) input jacks on both the front and rear of the unit. The front A/V jacks make it easy to plug in an external A/V device, such as a camcorder.

Requirements: Make sure that all A/V connections are tight. To see a connected device's image, turn the DVD/VCR to its Video Line Input by pressing the remote's TV VIEW button.



Universal Remote

Description: The DVD/VCR's remote can operate most RCA, GE, and Proscan TVs with no additional steps. You may also be able to program the remote control to operate your TV even if it is not an RCA, GE, or Proscan.

Requirements: Point the remote at the TV and press the POWER button to see if your TV can be operated. You might need to press the TV button first to put it in TV mode.

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Connections & Setup

Chapter Overview:

- Things to Consider Before Connecting Components
- Choosing Your Connection
- Turning on the TV and DVD/VCR
- Completing the Auto Setup
- Navigating On-Screen Menus
- Types of Discs Your DVD/VCR will Play
- Remote Control Buttons

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Things to Consider Before Connecting Components

Protect Components From Power Surges

- Connect all components before plugging any power cords into the wall outlet.
- Always turn off the TV and other components before you connect or disconnect any cables.

Position Cables to Avoid Audio Hum or Interference

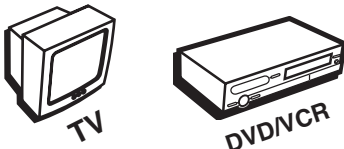
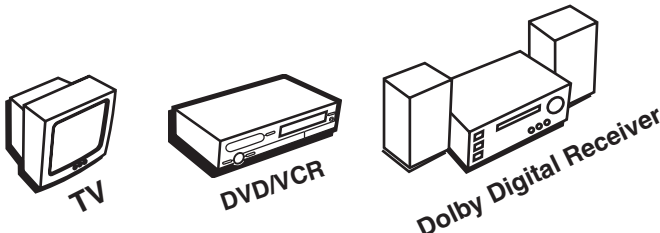

- Insert all cable plugs firmly into their jacks.
- Place any Audio/Video (A/V) cables to the side(s) of the back panels instead of straight down the back after connecting components.
- Try not to coil any twin-lead cables and keep them away from all A/V cables as much as possible.
- Make sure all antennas and cables are properly grounded. Refer to the *Safety Tips* sheet packed with your unit for detailed information.

Protect Components From Overheating

- Never block ventilation slots in any component. Arrange the components so that air can circulate freely.
- Do not stack components.
- Allow adequate ventilation when placing components in a stand.
- Place an amplifier or satellite receiver on the top shelf of a stand so heated air rising from it will not flow around other components.

Choosing Your Connection

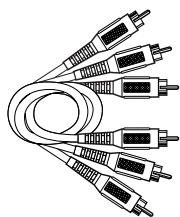
There are several ways to hook up your VCR depending on the components connected. Please use the following chart to determine which connection is best for you and proceed to the appropriate page.

Components	Cables Needed	Connection Title	Go to...
	<ul style="list-style-type: none"> • Coaxial • Audio/video • S-Video (optional) 	TV + DVD/VCR	page 8
	<ul style="list-style-type: none"> • Coaxial • Audio/video • S-Video (optional) • Optical digital (optional) • Component video (optional) 	TV + DVD/VCR + Dolby Digital Receiver	page 10
	<ul style="list-style-type: none"> • Coaxial • Audio/video • S-Video (optional) • Component video (optional) 	TV + DVD/VCR + Satellite	page 12

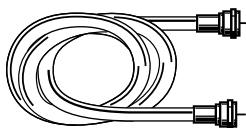
Cables Needed to Connect Components to Your DVD/VCR

The pictures below show the cables needed for the connections represented in this book.

Note: Audio/Video cables (A/V cables for short) are usually sold as a bundled set, but the connection pictures in this book show each cable separately for better visibility.



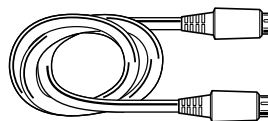
Audio/Video Cable



Coaxial Cable



S-Video Cable

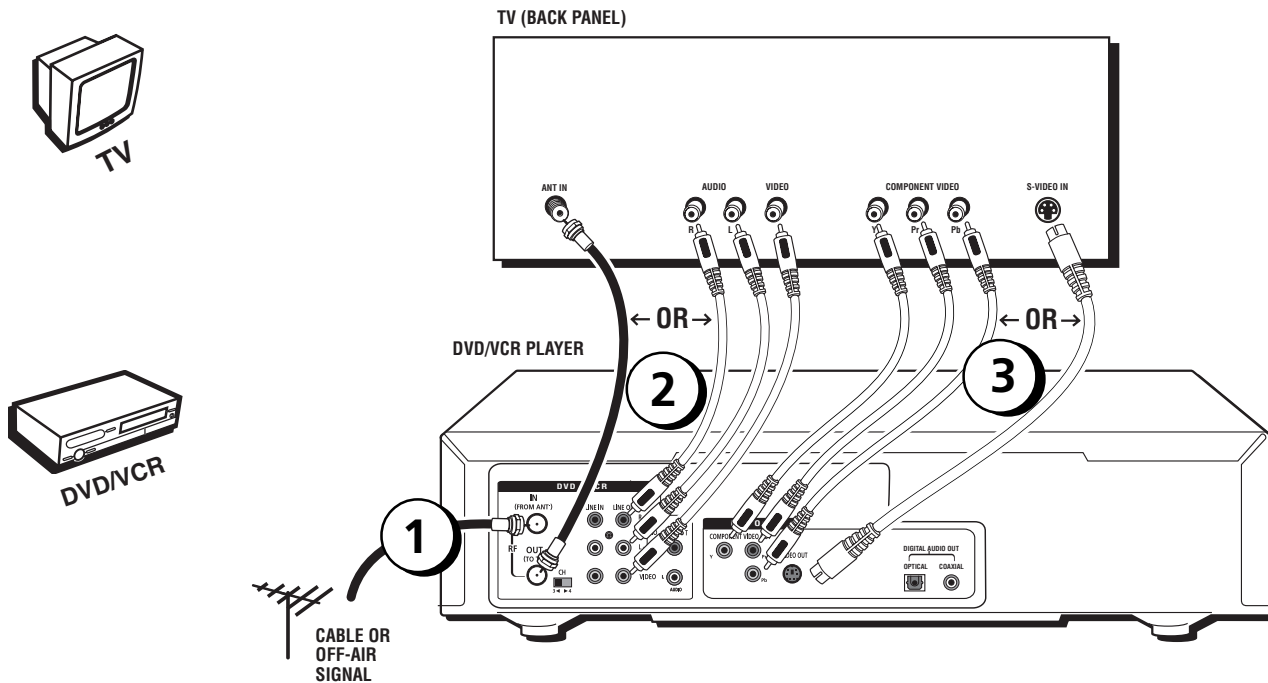


S-Video



Component Video

Connections & Setup



Note: Your television back panel may not look exactly like the model shown here.

Need Some Help?

If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

TV + DVD/VCR

1. Connect the antenna/cable feed to the DVD/VCR.

Connect the RF coaxial cable/antenna feed (not included) to the IN (FROM ANT) jack on your DVD/VCR.

2. Connect the DVD/VCR to the TV

You can connect the DVD/VCR player to the TV using either RF coaxial cable, or for better picture and stereo-quality sound you can use A/V cables. You do not need to use both connections.

Using RF coaxial cable:

Connect one end of an RF coaxial cable (not included) to the DVD/VCR OUT (TO TV) jack, and the other end to the TV's antenna input jack.

Note: If you only use a coaxial cable (and no audio/video cables), you must move the CH 3/4 switch on the back of the DVD/VCR to the channel that does *not* receive a broadcast station in your area. This will be the channel that the TV must be tuned to in order to see the DVD/VCR's picture (viewing channel).

Important!

If you connect a DVD-only viewing connection (COMPONENT VIDEO OR S-VIDEO), you must also connect audio cables to the TV (either DIGITAL AUDIO, standard AUDIO, or coaxial cable) in order to hear DVD playback. COMPONENT VIDEO and S-Video cables only carry picture information, not sound.

Using Audio/Video cables:

Connect audio cables to the L (white) and R (red) AUDIO LINE OUT jacks on the back of your DVD/VCR. Connect the other end to the corresponding audio input jacks on your TV. Connect a video cable from the yellow VIDEO LINE OUT jack on the back of your DVD/VCR to the video input jack on your TV.

Note: Tune the TV to its Video Input Channel to see the image.

3. (Optional) Use an S-Video or Component Video connection to the TV for DVD-only viewing.

If your TV has COMPONENT VIDEO jacks or an S-Video input jack, use either (but not both) to connect your DVD/VCR to your TV for DVD-only viewing (you will need to use channel 3 or 4 or the A/V input channel—depending on the connection used— to see VCR playback).

Connect either COMPONENT VIDEO cables or an S-Video cable to the proper DVD/VCR back-panel jacks. Connect the other end(s) to the corresponding jack(s). If your TV doesn't have Component Video or S-Video input jacks, it is not mandatory that you use this connection.

Notes: This optional connection is for DVD viewing only. Use the proper input channel (COMPONENT VIDEO INPUT OR S-VIDEO input) to view DVD playback.

If you use a DVD-only connection, you must connect AUDIO cables from the DVD/VCR to the TV (COMPONENT VIDEO AND S-VIDEO jacks only carry picture information, not sound).

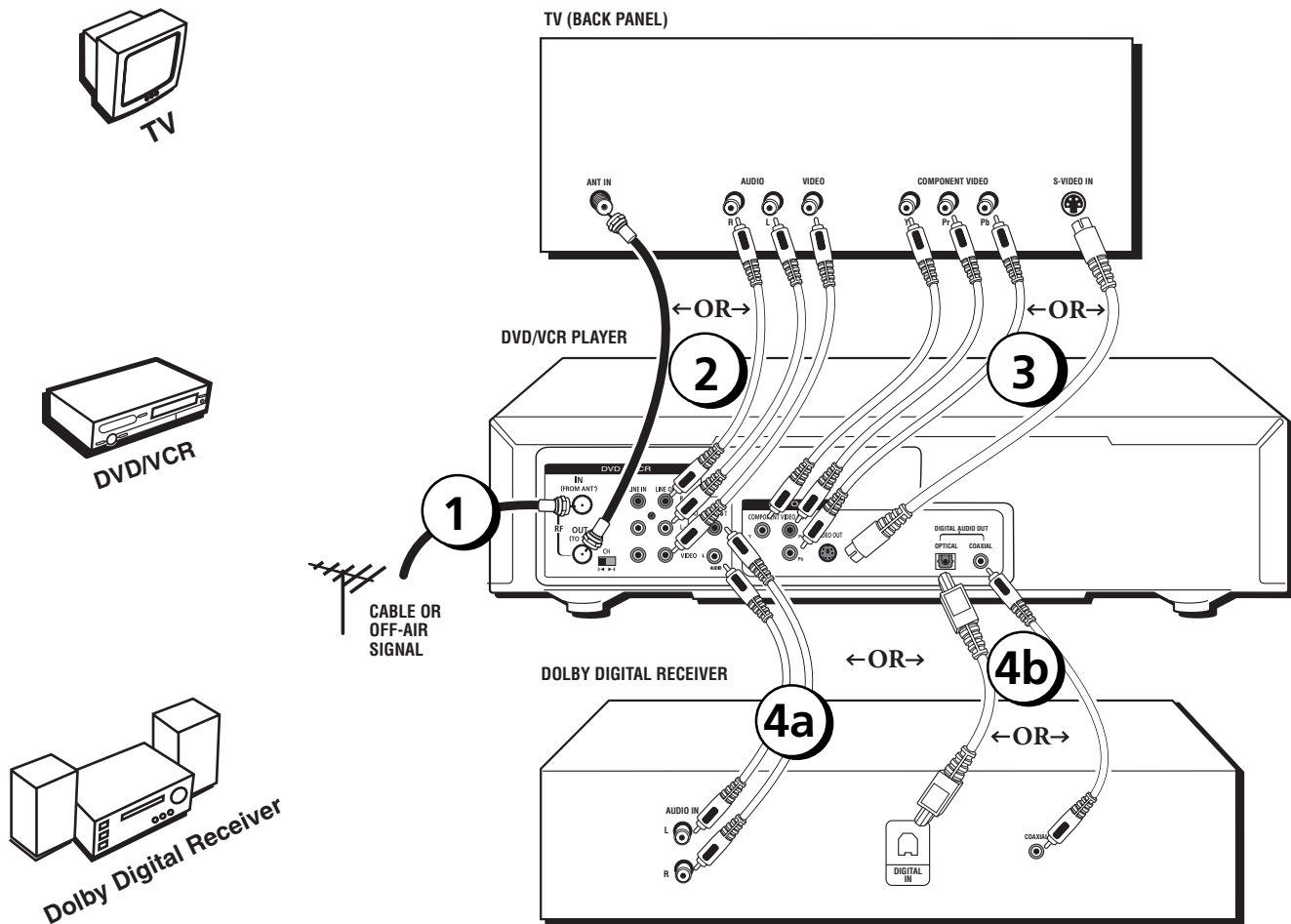
4. Enable the features in the menu system.

First, turn on the DVD/VCR and tune to the TV to the DVD/VCR viewing channel. Then, press the SETUP button on the remote and enter the menu.

If you connected an S-Video cable or a component video (Y, P_B, P_R) cable to the TV (Step 3):

1. Use the up and down arrow buttons to point to *DVD Setup*. Press the right arrow button to select it.
2. Point to *Alt Video Out*.
3. Press the right arrow button until *Component* or *S-Video* appears as the selected choice.
4. Press GO BACK to exit.

Connections & Setup



Note: Your back panels may not look exactly like the models shown here.

TV + DVD/VCR + Dolby Digital or DTS Receiver

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1. Connect the antenna/cable feed to the DVD/VCR.

Connect the RF coaxial cable/antenna feed (not included) to the IN (FROM ANT) jack on your DVD/VCR.

2. Connect the DVD/VCR to the TV

You can connect the DVD/VCR player to the TV using either RF coaxial cable, or for better picture and stereo-quality sound you can use A/V cables. You do not need to use both connections.

Using RF coaxial cable:

Connect one end of an RF coaxial cable (not included) to the DVD/VCR OUT (TO TV) jack, and the other end to the TV's antenna input jack.

Note: If you only use a coaxial cable (and no audio/video cables), you must move the CH 3/4 switch on the back of the DVD/VCR to the channel that does not receive a broadcast station in your area. This will be the channel that the TV must be tuned to in order to see the DVD/VCR's picture (viewing channel).

About Dolby Digital® and DTS®

Both Dolby Digital® and DTS® are audio formats used to record 5.1-channel audio signals onto the digital track of film (while the film is being made). Both of these formats provide up to six separate channels: left, right, center, left rear, right rear, and common subwoofer.

The disc will play 5.1-channel sound only if you've connected a DTS® or Dolby Digital® receiver or decoder and if the original movie the disc was recorded from was encoded in the Dolby Digital® or DTS® format.

Please Read This Before Using either DIGITAL AUDIO OUT Jack!

This player's DIGITAL AUDIO jacks are designed for a connection to a Dolby Digital® or DTS® receiver or decoder.

Older digital equipment may not be compatible with the Dolby Digital bitstream. Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers.

It is important to choose the correct output setting in the DVD/VCR's menu, especially when you use the DIGITAL AUDIO OUTPUT jack. For more information, see step 6.

Using Audio/Video cables:

Connect audio cables to the L (white) and R (red) AUDIO LINE OUT jacks on the back of your DVD/VCR. Connect the other end to the corresponding audio input jacks on your TV. Connect a video cable from the yellow VIDEO LINE OUT jack on the back of your DVD/VCR to the video input jack on your TV.

Note: Tune the TV to its Video Input Channel to see the DVD/VCR's image.

3. (Optional) Use an S-Video or Component Video connection to the TV for DVD-only viewing.

If your TV has COMPONENT VIDEO jacks or an S-Video input jack, use either (but not both) to connect your DVD/VCR to your TV for DVD-only viewing (you will need to use channel 3 or 4 or the A/V input channel—depending on the connection used— to see VCR playback).

Connect either COMPONENT VIDEO cables or an S-Video cable to the proper DVD/VCR back-panel jacks. Connect the other end(s) to the corresponding jack(s). If your TV doesn't have Component Video or S-Video input jacks, it is not mandatory that you use this connection.

Notes: This optional connection is for DVD viewing only. Use the proper input channel (COMPONENT VIDEO INPUT OR S-VIDEO input) to view DVD playback.

If you use a DVD-only connection, you must connect AUDIO cables from the DVD/VCR to the TV (COMPONENT VIDEO AND S-VIDEO jacks only carry picture information, not sound).

4. Connect Audio cables from the DVD/VCR to a Dolby Digital receiver.

To run sound from the DVD/VCR to the Dolby Digital Receiver, you have three choices: standard AUDIO cables, SPDIF (Optical) Digital Audio cables, or Coaxial Digital Audio cables.

- To connect standard AUDIO cables, connect the ends of Audio cables to the AUDIO LINE OUT jacks on the DVD/VCR player.
- To connect a SPDIF (Optical) Digital Audio cable, connect one end to the OPTICAL DIGITAL AUDIO OUT jack and the other end to the Optical Digital Audio input jack on the Dolby Digital receiver, OR connect one of a digital audio cable to the COAXIAL DIGITAL AUDIO OUT jack and the other end to the corresponding coaxial digital audio input jack on the Dolby Digital receiver.

6. Enable the features in the menu system.

First, turn on the DVD/VCR and tune to the TV to the DVD/VCR viewing channel. Then, press the SETUP button on the remote and enter the menu.

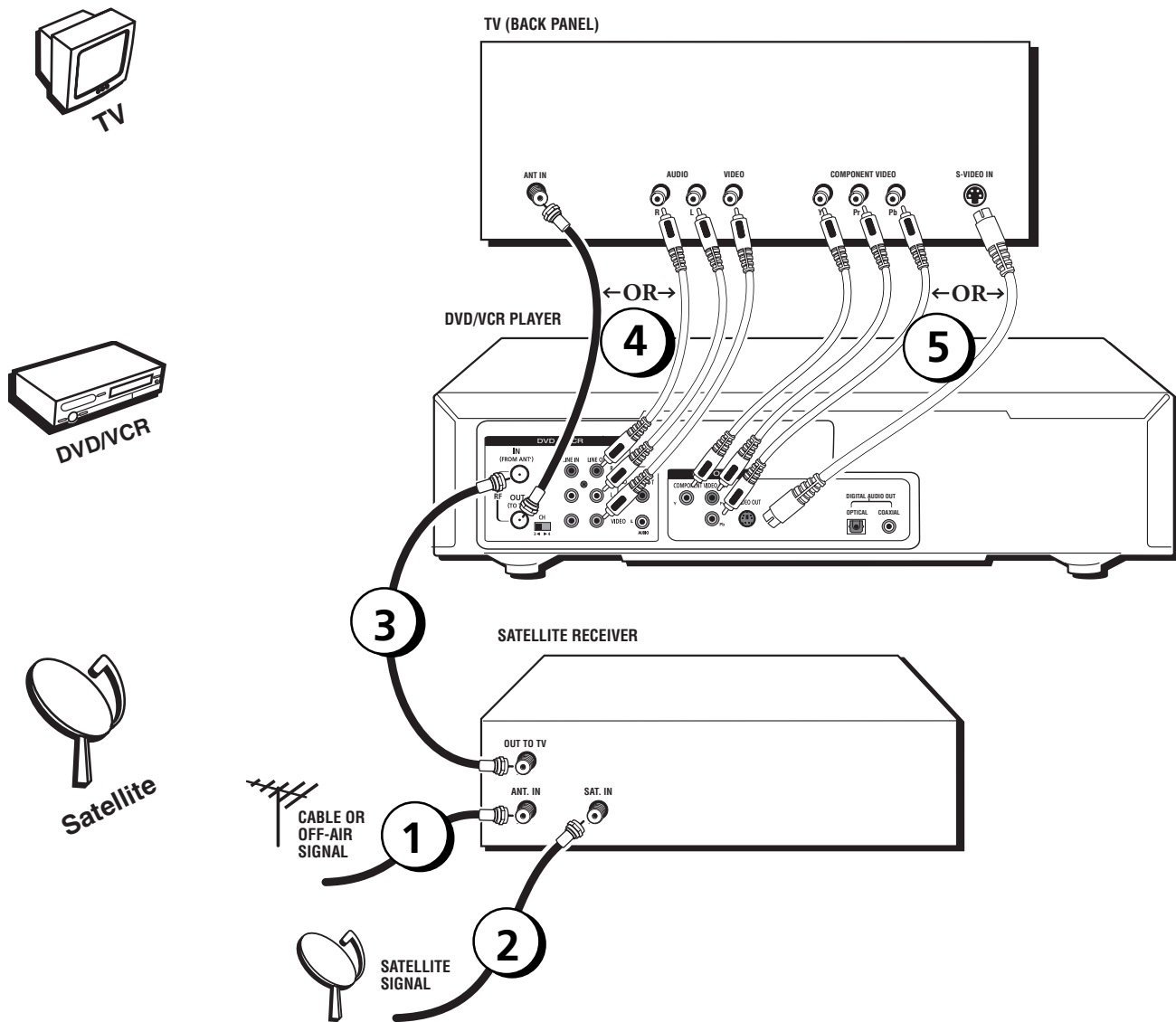
a. If connecting an optical or coaxial digital cable to the receiver (Step 4b):

- Use the up and down arrow buttons to point to *DVD Setup*. Press the right button to select it.
- Point to *Language/Audio Setup*, then press the right arrow button.
- Point to either *Dolby D Decoder* or *DTS Decoder*, then press the right arrow button until *Yes* appears.
- Press GO BACK to exit.

b. If you connected an S-Video cable or a component video (Y, P_B, P_R) cable to the TV (Step 3).

- Use the up and down arrow buttons to point to *DVD Setup*. Press the right arrow button to select it.
- Point to *Alt Video Out*.
- Press the right arrow button until *Component* or *S-Video* appears as the selected choice.
- Press GO BACK to exit.

Connections & Setup



Note: Your TV and cable box back panels may not look exactly like the models shown here.

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TV + DVD/VCR + Satellite Receiver

1. Connect the antenna/cable feed to the satellite receiver.

Connect the RF coaxial cable/antenna feed (not included) to the off-air antenna input jack on your satellite receiver.

2. Connect the satellite antenna feed to the satellite receiver.

Connect the RF coaxial satellite antenna feed (not included) to the satellite antenna input jack on your satellite receiver.

3. Connect the satellite receiver to the DVD/VCR.

Connect one end of an RF coaxial cable to the out to TV jack on the satellite receiver and the other end to the DVD/VCR's IN (FROM ANT.) jack.

4. Connect the DVD/VCR to the TV

You can connect the DVD/VCR player to the TV using either RF coaxial cable, or for better picture and stereo-quality sound you can use A/V cables. You do not need to use both connections.

Using RF coaxial cable:

Connect one end of an RF coaxial cable (not included) to the DVD/VCR OUT (TO TV) jack, and the other end to the TV's antenna input jack.

Note: If you only use a coaxial cable (and no audio/video cables), you must move the CH 3/4 switch on the back of the DVD/VCR to the channel that does *not* receive a broadcast station in your area. This will be the channel that the TV must be tuned to in order to see the DVD/VCR's picture (viewing channel).

Using Audio/Video cables:

Connect audio cables to the L (white) and R (red) AUDIO LINE OUT jacks on the back of your DVD/VCR. Connect the other end to the corresponding audio input jacks on your TV. Connect a video cable from the yellow VIDEO LINE OUT jack on the back of your DVD/VCR to the video input jack on your TV.

Note: Tune the TV to its Video Input Channel to see the image.

Important!

If you connect an S-Video cable or component video cables (Step 5), you must also connect a video cable (Step 4). If you do not connect either a coaxial cable or A/V cables, you will not be able to properly view videotapes.

5. (Optional) Use an S-Video or Component Video connection to the TV for DVD-only viewing.

If your TV has COMPONENT VIDEO jacks or an S-Video input jack, use either (but not both) to connect your DVD/VCR to your TV for DVD-only viewing (you will need to use channel 3 or 4 or the A/V input channel—depending on the connection used— to see VCR playback).

Connect either COMPONENT VIDEO cables or an S-Video cable to the proper DVD/VCR back-panel jacks. Connect the other end(s) to the corresponding jack(s). If your TV doesn't have Component Video or S-Video input jacks, it is not mandatory that you use this connection.

Notes: This optional connection is for DVD viewing only. Use the proper input channel (COMPONENT VIDEO INPUT OR S-VIDEO input) to view DVD playback.

If you use a DVD-only connection, you must connect AUDIO cables from the DVD/VCR to the TV (COMPONENT VIDEO AND S-VIDEO jacks only carry picture information, not sound).

6. If you connected an S-Video cable or a component video (Y, P_B, P_R) cable to the TV (Step 5).

1. Use the up and down arrow buttons to point to *DVD Setup*. Press the right arrow button to select it.
2. Point to *Alt Video Out*.
3. Press the right arrow button until *Component* or *S-Video* appears as the selected choice.
4. Press GO BACK to exit.

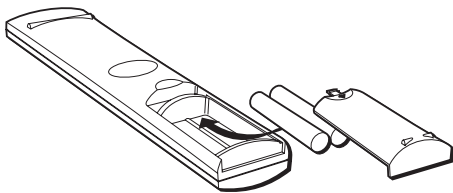
Setting the DVD/VCR's CH 3/4 Switch

The CH 3/4 switch on back of the DVD/VCR determines what channel the TV must be tuned to see the DVD/VCR's image. Choose whichever channel does not carry a broadcast.

Note: If you connected components using A/V jacks and cables, the DVD/VCR's signal must be viewed using the TV's video line input channel.

Plugging in the DVD/VCR

Your DVD/VCR's power cord has a plastic band strung through the blades. **Remove the plastic band before plugging the cord into the power outlet.** To remove the band, cut with a pair of scissors and pull it free of the blades. Once the plastic is removed, match the wide blade of the power cord to the wide slot in the AC outlet. Be sure to insert the plug completely.



Installing Batteries in the Remote

1. Remove the battery compartment cover on the remote.
2. Insert new batteries matching the polarities (+ and -) on the batteries with the diagram in the battery compartment.
3. Put the battery compartment cover back on the remote.

Turning on the TV and DVD/VCR

Turn on the TV and press the POWER button on the remote to turn the DVD/VCR on.

Note: If you have an RCA, GE, or Proscan TV, your DVD/VCR's remote may be able to operate it without being programmed. Press the POWER button on the remote and both devices should turn on.

Tune the TV to the DVD/VCR viewing channel, which is channel 3, 4, or the TV's video line input channel (usually VID1, VID2, or SVID).

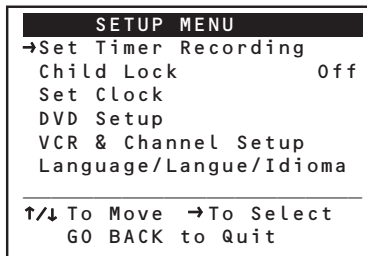
- If you connected your DVD/VCR using RF coaxial cable only, turn the TV to channel 3 or 4 (whichever was set on the DVD/VCR's CH 3/4 switch).
- If you connected the DVD/VCR using A/V jacks and cables, select the TV's video line input channel. To do this, you might have to repeatedly press the TV VIEW/INPUT button on the remote to toggle through your line input channels.

Completing the Auto Setup

The first time you turn on the DVD/VCR, or after an extended power outage, you will be able to set the on-screen menu language, you will be reminded to connect an antenna or cable if you have not already done so, and you will be able to acquire available channels and the current time.

Note: With numbered menu choices, press the corresponding number button on the remote to automatically select it. In the case of the language menu, press 1 for English, 2 for Français (French), or 3 for Español (Spanish).

The DVD/VCR's Auto Setup procedure will automatically detect whether an antenna or cable is connected, then search for all active channels in your area. This procedure may take several minutes to complete. When finished, the DVD/VCR will tune to the lowest channel found. If Auto Channel Search is unable to locate channels in your area, you can search and add channels manually. See page 44 in *Setting up Channels* for details.



Navigating On-Screen Menus

The technical term is *Navigation*—how you move through the on-screen menus. The theory is the same for all the menu screens; use the corresponding number button on the remote select it.

You can access individual menus using the DVD/VCR's on-screen menu system by pressing SETUP on the remote. Then use the up and down buttons to cycle the menu selection arrow through menu options.

- Use the right button to select or change menu options.
- Use the left button to move backwards through menu options on certain screens.
- Use the ENTER button to confirm settings.
- Use GO BACK to return to the last menu viewed or exit the menu.
- CLEAR clears the menu options on certain screens.
- To choose an on-screen item, press the remote's corresponding number button.

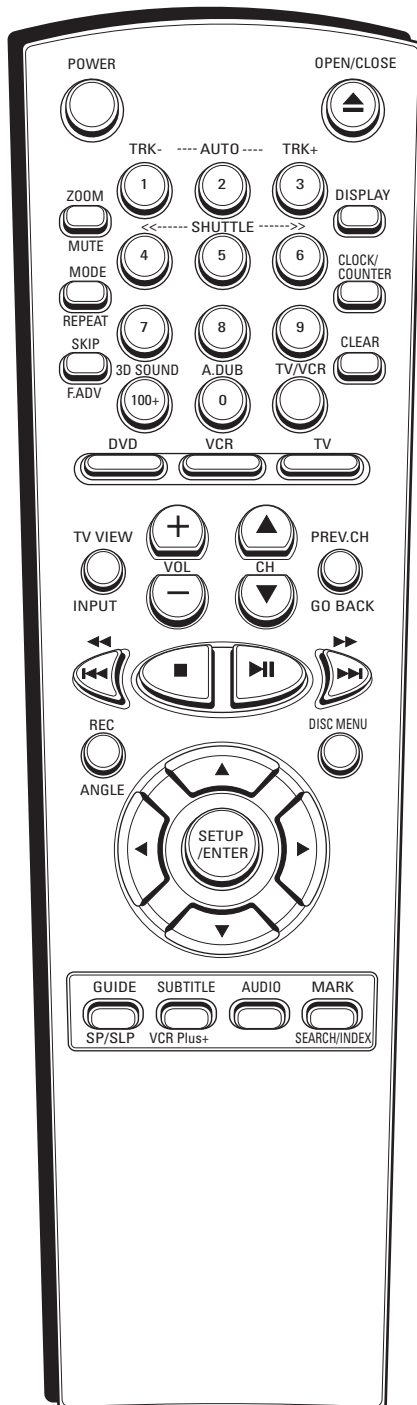
Types of Discs Your DVD/VCR Player will Play



- DVD video discs—Contain high quality picture and sound content.
- Audio discs—Contain musical or sound content only.
- Video CD discs—Like DVD video discs, Video CDs contain picture and sound content. The difference is the amount of information that can be stored on the disc.

Remote Control Buttons

This section describes what each button on the remote does.
(Listed alphabetically)



3D SOUND Press to simulate a 3D surround effect from two stereo speakers if the material was recorded using Dolby Surround® or Dolby Digital®.

100+ Use to select channels 100 and higher. First, press the 100+ button, then enter the remaining numbers using the number (0-9) buttons.

A.DUB Used when adding sound to a pre-recorded videotape.

Arrow Buttons Move the on-screen arrow around to point to menu items.

AUDIO When playing a DVD, accesses various audio languages, if available.

AUTO Sets the VCR so it will automatically adjust the tracking.

CH and v Selects the next higher channel in the DVD/VCR's memory. If your TV is GE, RCA, or Proscan, also controls your TV channels.

CLEAR Clears menu options on certain screens.

CLOCK/COUNTER When pressed repeatedly, cycles through the current time, the counter time, and time remaining on a videotape, if playing.

DISC MENU Accesses the disc's menu when you're playing a disc.

DISPLAY During DVD and CD playback, displays the title number, chapter or track number, and counter time. During videotape playback, displays the status of the VCR (usually PLAY), the counter time, and the record speed.

DVD Puts the remote in DVD mode so you can control the DVD deck. The DVD indicator will light on the front panel display to show that the DVD deck is selected.

>> (FORWARD) While playing a disc, press and release to skip through contents one chapter or track at the time. Press and hold while playing a DVD to search forward at variable speeds. While playing a tape, searches forward through content.

GUIDE/SP/SLP When in VCR mode, sets the record speed for videotapes to either SP (Standard Play) for best quality or SLP (Super Long Play) for maximum recording time. When in DVD-controlling mode and while playing a DVD, this button will access DISC MENU mode. While playing a VCD, this button may also display a small picture on-screen (depending on the disc). When playing an Audio CD, this button activates the "intro scan" feature which plays a few seconds of each track.

MARK/SEARCH/INDEX During video playback, accesses the menu that lets you find index marks on the videotape or search for a specific time on the counter. During DVD playback, accesses the marker banner, which lets you set index markers at points on a disc to which you'd like to return.

MODE/REPEAT Opens the playback mode menu when a DVD or CD is stopped so you can play the disc's chapters or titles in random order or in an order that you specify. When a DVD or CD is playing, pressing this button repeats the current chapter or title.

Numbers (0-9) Selects a channel up to 99 when you press two numbers. Also can be used to input information such as chapter numbers, track numbers, or to make selections on some menu screens.

OPEN/CLOSE Press to open and close the disc tray or eject a videotape.

PAUSE/PLAY Plays a tape or disc. During playback, pauses the tape or disc.

POWER Turns the DVD/VCR on and off.

PREV.CH/GO BACK When in the menu system, takes you to the previous menu. Returns the DVD/VCR to the previous channel. When the remote is in TV mode, returns an RCA, GE, or Proscan TV to the previous channel.

REC/ANGLE Starts VCR recording. During recordings, adds 30 minutes more of recording time (up to 4X). When watching DVDs, press to access various camera angles, if available.

<< (REWIND) While playing a disc, press and release to skip back through contents one chapter or track at the time. Press and hold while playing a DVD to search backwards at variable speeds. While playing a tape, searches backwards through content.

SETUP/ENTER Brings up the DVD/VCR menu. In some menus, selects a menu item.

SHUTTLE During videotape playback, gradually increases or decreases the speed at which the tape advances or rewinds.

SKIP/F.ADV While using a videotape, pressing this button advances the tape ahead in one minute increments, up to five minutes. While using a videotape, pressing this button repeats the last 30 seconds of tape. When videotape or a DVD disc is paused, it advances playback forward one frame at the time.

STOP Stops playback.

SUBTITLE/VCR PLUS+ When playing a DVD, shows available subtitle options. Also, brings up the VCR Plus+ menu.

TRK- and TRK+ Lets you manually reduce the streaks that may appear on the picture during videotape playback, slow motion, or pause. Reduces picture "jitter" during stop-action videotape playback.

TV When used with an RCA, GE, or Proscan TV, turns on and controls the TV. Puts the remote in TV mode.

TV VIEW/INPUT Cycles through all of your input sources, including the DVD, VCR, TV tuner, Line1 (front A/V input), and Line2 (rear A/V input) sources.

TV/VCR Switches the picture signal source between the VCR and cable/antenna system.

VCR Puts the remote in VCR mode so you can control the VCR deck. The VCR indicator will light on the front panel display, showing that the VCR deck is selected.

VOL + and - Adjusts the volume level of the DVD/VCR. If your TV is GE, RCA, or Proscan, also controls your TV volume.

ZOOM/MUTE During DVD playback or when paused, displays a small picture of a magnifying glass that specifies an area to be magnified. If your TV is GE, RCA, or Proscan, also reduces the TV volume to its minimum level.

Programming the Remote

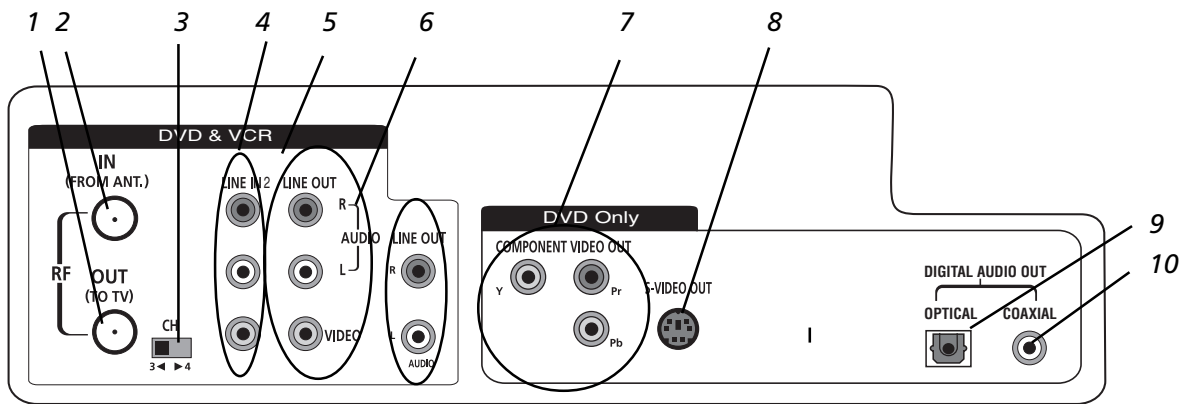
The remote can be programmed to control most brands of TVs, VCRs, and DVD players. To program your remote:

1. Turn on the component (TV, VCR, or DVD) to be programmed and point the remote at the component.
2. Press and hold the component button (TV, VCR, or DVD) on the remote while you enter the brand's code from the code list below:

Daewoo 19	LG 06, 08, 18	Noblex 25	Sanyo 05, 20
Emerson 21	Loewe 28	Panasonic 12	Sharp 02, 16, 22
GE 01, 29	Magnavox 04	Proscan 01, 29	Sony 03
Hitachi 10	Mitsubishi 13	RCA 01, 29	Telefunken 26
JVC 11	Newsan 27	Samsung 07, 14, 15, 23	Toshiba 09
			Zenith 17

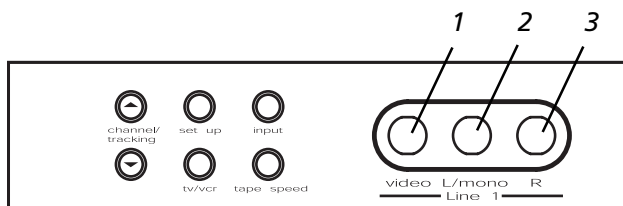
3. Release the buttons and press POWER to see if the component turns off. If it doesn't, press the component button (TV, VCR, or DVD) and then press POWER again.
4. If it still does not turn off, repeat these steps using the next code listed for your brand until you get a response.

Connections & Setup



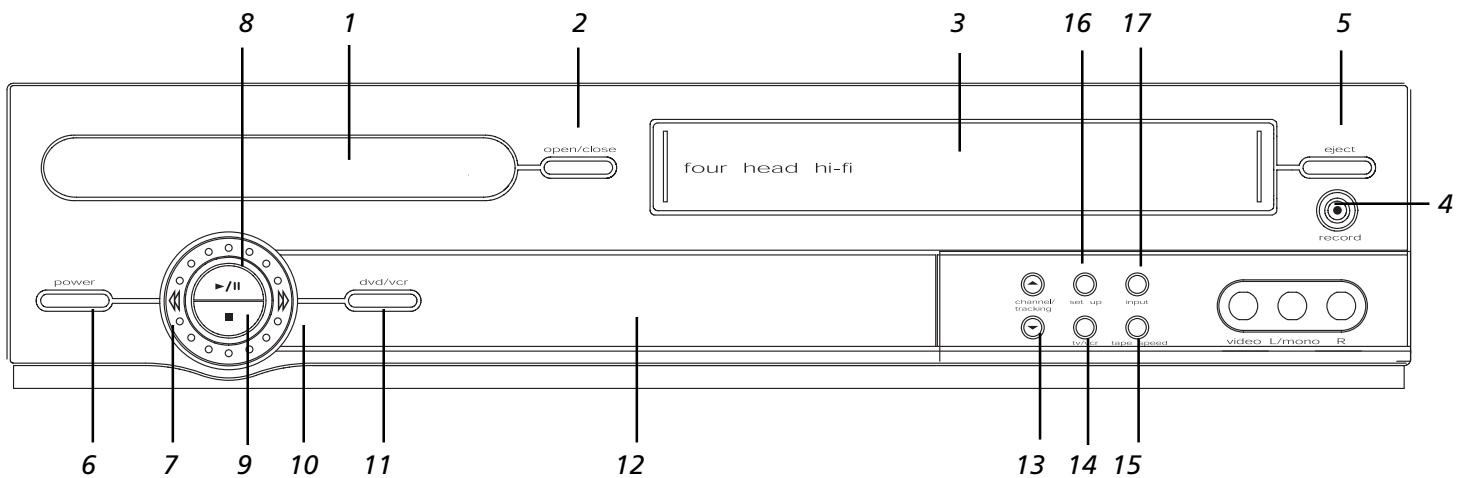
Back Panel Jacks

1. **RF OUT (TO TV)** Use to connect an RF coaxial cable to the TV.
2. **IN (FROM ANT.)** Use to connect an antenna or cable feed to the DVD/VCR.
3. **CH 3/4 SELECTOR** Move this switch to the channel that does *not* carry a broadcast. This will be the channel that the TV must be tuned to in order to see the DVD/VCR's picture (viewing channel).
4. **LINE IN 2 (R and L AUDIO and VIDEO)** Use this to connect a second input source (such as a digital satellite receiver) to the DVD/VCR.
5. **LINE OUT (R and L AUDIO and VIDEO)** Use A/V cables from these jacks to connect to the corresponding A/V input jacks on a TV or receiver.
6. **LINE OUT (R and L AUDIO)** Use these jacks to connect right and left A/V cables.
7. **COMPONENT VIDEO OUT (Y, P_B, P_R)** Use these jacks to connect component video cables (not provided) to a multimedia monitor, projector, or other device with color separation inputs. If you use these jacks, remember to also connect the left and right A/V cables.
8. **S-VIDEO OUT** If your TV has an S-Video jack, you can connect an S-Video cable (not provided) for increased video quality. The S-Video cable only carries the picture signal; if you use this jack, remember to also connect the left and right A/V cables.
9. **DIGITAL AUDIO OUT (OPTICAL)** Use this jack to connect your DVD player to a compatible Dolby Digital® or DTS® receiver or decoder using a digital optical cable (not provided).
10. **DIGITAL AUDIO OUT (COAXIAL)** Use this jack to connect your DVD player to a compatible Dolby Digital® or DTS® receiver or decoder using an coaxial cable (not provided).



Front Panel Jacks

1. **LINE 1 video** Use to connect a video cable to the TV.
2. **LINE 1 L/mono** Use to connect a left audio cable to the TV. The sound will be heard in mono.
3. **LINE 1 R** Use to connect a right audio cable to the TV.

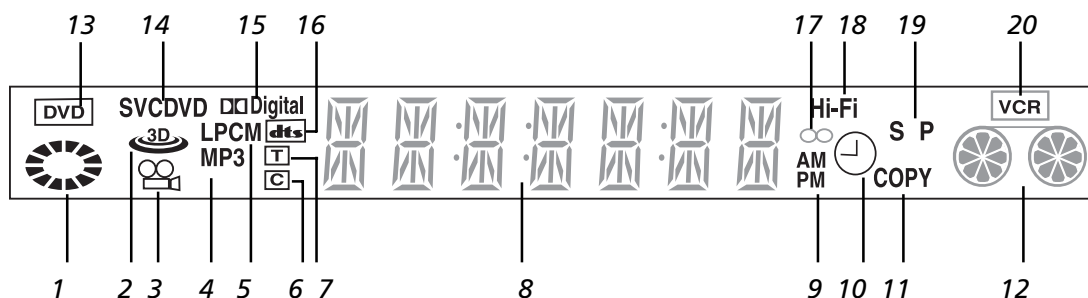


Front Panel Buttons

Note that front panel buttons are nonfunctional when Child Lock is on.

- 1. DVD deck** Use to insert DVDs and CDs.
- 2. DVD Open/Close button** Press to open and close the disc tray.
- 3. VCR deck** Use to insert videotapes.
- 4. RECORD button** Press to begin recording.
- 5. VCR EJECT button** Press to remove the videotape from the VCR deck.
- 6. POWER button** Press to turn the power on and off.
- 7. REWIND/REVERSE button** Press to move to the beginning of the preceding title, chapter, or track of a disc, and the beginning of a videotape. Press and hold to reverse through a DVD or CD. When in the DVD/VCR menu system, press to select an item.
- 8. PLAY button** Begins playback (and closes the DVD deck if open). During playback, pauses the playback. When in the DVD/VCR menu system, press to scroll the arrow up.
- 9. STOP button** Press to stop playback. When in the DVD/VCR menu system, press to scroll the arrow down.
- 10. FAST FORWARD/FORWARD button** Press to move to the beginning of the next title, chapter, or track of a disc, or the beginning of a videotape. Press and hold to forward a DVD or CD.
- 11. DVD/VCR SELECT button** Press to switch between decks. When in the menu system, press to select an item.
- 12. Front panel display** Shows the status of the decks.
- 13. CHANNEL +/- and TRACKING buttons** Press to change the channel or manually adjust the tracking.
- 14. TV/VCR button** Press to switch between TV and VCR modes.
- 15. Tape Speed button** Press to adjust the tape recording speed.
- 16. Set Up button** Press to display the DVD/VCR menu system.
- 17. Input button** Press to change the input source.

Connections & Setup



Front Panel Display

The description below tells what each part of the front panel display mean when lit.

1. **DVD icon** Indicates the status of the DVD deck. The icon above signifies that the disc is moving.
2. **3D icon** Signifies that 3D sound is on.
3. **Camera icon** Shows that the inserted DVD has multiple angles from which to choose.
4. **MPEG or MP3** Indicates that a CD with MPEG or MP3 tracks is playing.
5. **LPCM** Indicates that a disc with LPCM (Linear Pulse Code Modulation) audio is loaded.
6. **C** Shows the currently-playing DVD chapter number.
7. **T** Shows the currently-playing CD title number.
8. **Number display** Displays the current time, counter, remaining time on a videotape, time expired on a disc, or the current deck status.
9. **AM/PM** Signifies that the time is a.m. or p.m.
10. **Clock icon** Means a timer recording is programmed or in progress. If blinking, there is an error. Also displays without the clock hands to indicate that a recording is in progress, and blinks when the VCR is paused.
11. **COPY** Shows that a DVD to VHS copy is in progress.
12. **Tape reel icon** Indicates the status of the VCR deck. The icon above signifies that the videotapes is moving.
13. **DVD** Indicates that the DVD deck is selected and remote and front panel button presses will activate the disc.
14. **SVC DVD** Indicates that a DVD, CD, VCD, or SVCD is loaded.
15. **Dolby Digital® icon** Indicates that a disc with Dolby Digital® audio is loaded.
16. **dts icon** Indicates that a DVD with a DTS soundtrack is loaded.
17. **Circle icon** The current TV show or video is broadcast in stereo.
18. **HI-FI** The hi-fi track of a VHS tape is playing.
19. **SP/SLP** The VCR record speed is set to SP or SLP.
20. **VCR** Indicates that the VCR deck is selected and remote and front panel button presses will activate the videotape.

Playing DVDs

Chapter Overview:

- Playing an MP3 Disc
- DVD and CD Playback Options
- Searching Through a Disc
- Using the Counter
- Zooming In and Out
- Viewing a Different Angle
- Using Subtitles
- Marking Starting Points

Changing Entertainment. Again.



Before Playing a Disc...

Make sure that the disc is compatible with the DVD/VCR player. There are some discs that cannot be used with this player.

Also, both the DVD player and discs are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This player's code is region 1.

Playing an MP3 Disc

Your DVD/VCR can play MP3 files burned on a CD-R disc. The files should be recorded at a bit rate of at least 128 kbps and have no gaps, or blank data. If there are gaps on multi-session discs, you may experience problems. You may also experience sound cutting in and out on discs that are recorded with a Variable Bit Rate (VBR), which is from 32 to 320 kbps.

To play MP3s:

1. Insert the disc. The MP3 main menu will appear and the first song will begin automatically.
2. Use the up and down arrow buttons to select the folder that contains the MP3 files you want to hear.
3. Press SETUP/ENTER to select it. If there are more than eight folders, use the left and right buttons to view the folders.
4. Press SETUP/ENTER again to play the selected song. While playing, you can view other folders.
5. To stop the playback, press the STOP button on the remote.

Playing a DVD or CD

To play a disc, turn on the TV and your DVD/VCR (press ON•OFF on the player or the remote). Then follow the below steps.

1. Press the OPEN/CLOSE button on the front of the DVD/VCR.
2. Place a disc gently into the tray with the disc's label facing up. Double-sided discs have content on both sides, so place the disc in the tray with the desired label facing up.
3. Make sure you are in DVD mode by pressing the DVD button on the remote and checking that the DVD deck is selected.
4. Press the OPEN/CLOSE button on the front of the player to close the disc tray.

The DVD/VCR player reads the disc's table of contents, and then one of two things happens depending on how the disc was programmed:

- The disc starts playing.
- The disc menu appears on the screen. One of the menu options will start disc play. Use the arrow buttons to highlight that option and press SETUP/ENTER.

To completely stop playback, press the STOP button twice. The next time you press PLAY/PAUSE, the disc will start over from the beginning.

To stop playback so you can start it later from the point that the disc stopped, press the STOP button once.

Accessing Disc Features

Each disc is programmed with different features.

To access a disc's features:

- **Press the remote control's disc menu button**—The disc menu is part of each disc. The contents of each disc menu vary according to how the disc was composed and what features are included. The disc menu might only contain a list of the titles and chapters, or it may allow you to change features such as language and playback settings.

A feature will only work if the disc was programmed with that feature. For example, if you have subtitles turned on, the subtitles will only appear if the disc was created with subtitles. If a menu item is “grayed out” it means that item isn't available.

You can display the disc menu while the disc is playing by pressing the DISC MENU button on the remote control. The following is an example of how to enter a DVD disc menu.



1. While the disc is playing, press DISC MENU. The disc menu appears. The graphic to the left is an example of a DVD disc menu.

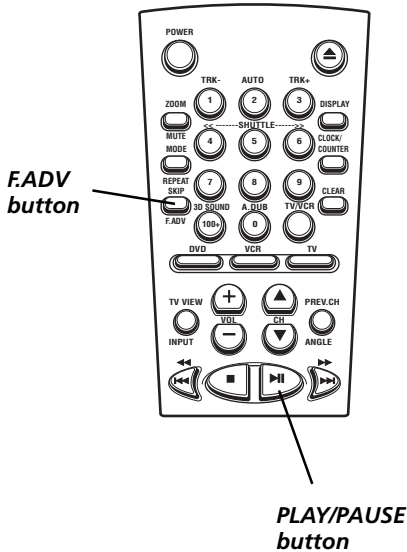


2. Use the up and down arrow buttons to highlight the menu item you want to choose. Then, press SETUP/ENTER to select it. In the example on the left, *Language* has been highlighted.



3. Press the up/down arrows to select a language, and press SETUP/ENTER. In the example on the left, *English* has been selected.
4. Press RETURN to resume playback.

Note: Any settings you change on the disc menu only override the settings in the DVD/VCR player's menu temporarily. Default settings are the settings that you set up in the DVD/VCR player's menu system.



Pausing and Advancing one Frame at the Time

1. Press PLAY/PAUSE once to pause DVD or CD playback. The audio will mute and if the player is paused for five minutes, it will stop automatically.
2. Each press of the F.ADV button advances the DVD picture one frame at a time. Audio is muted and you can only operate in the forward direction.
3. Press PLAY/PAUSE to resume normal playback.

Playing in Slow Motion

While a DVD disc is paused, you can start forward slow motion playback from either the remote or the front panel.

1. Press PLAY/PAUSE to pause playback.
2. Press and release FORWARD (>>) for forward slow motion playback. Repeatedly press and release the button to increase the speed from 1/8 to 1/4 to 1/2 speed.
3. Press PLAY/PAUSE to resume normal playback.

Searching Through a Disc

While a DVD disc is playing, you can visually search forward and backward at variable speeds. You can do this by using either the remote or the front panel.

1. During playback, press and hold the REWIND (<<) or FORWARD (>>) button on the remote or front panel to cycle backwards or forwards through speeds from normal playback to 2X, 4X, 8X, 16X, 32X, and 128X.
2. When you find the speed you want, release the button.
3. Press PLAY/PAUSE to resume normal speed.

Working with Chapters

Program content on a DVD can be divided into chapters. To find out if your DVD has chapters, you should access the disk's menu, if available, by pressing DISC MENU on the remote while the disc is playing. The following sections describe what you can do with your DVD's chapters.

Skipping Chapters and Titles

You can skip through a DVD or CD disc's contents one chapter or track at a time by doing the following:

- Press and release the REWIND (<<) button to go to the beginning of the chapter or title that is playing. Press again to go to the beginning of the preceding chapter or title.
- Press and release the FORWARD (>>) button on the remote to go to the beginning of the next chapter or title.

Title	Chapter	Time
01	→05	0:13:46

Repeat	←/→	Enter to Set
Off	Chapter	Title A-B

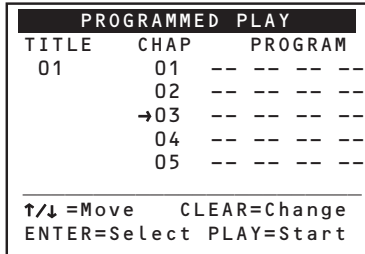
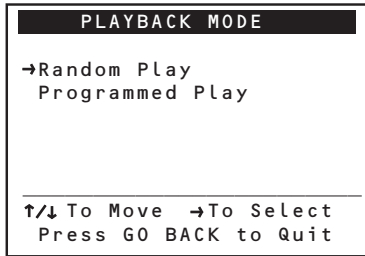
You can also go directly to a chapter or title by following these steps:

1. Press the DISPLAY button on the remote.
2. Use the left and right arrows to point to *Chapter* or *Title*.
3. Use the up and down arrows to change among all available chapters or titles on the disc.
4. Press SETUP/ENTER when finished.

Repeating Chapters and Titles

You can repeat a single chapter, or repeat a complete title.

1. During playback, press the REPEAT button. The current repeat mode will flash on the front panel.
2. Use the left and right arrows to select *Chapter* or *Title*.
3. Press SETUP/ENTER to set the DVD/VCR to repeat the current chapter or title.
4. After the chapter or title finishes playing, it will be repeated.



Playing the Chapters in Random Order

You can set a random order for playback of chapters or tracks on a DVD or CD.

1. After the disc is stopped, press MODE on the remote.
2. Use the up and down buttons to point to *Random Play*. Then press the right arrow button to select. The disc will automatically play in random order.

Note: To stop random playback, press the CLEAR button twice.

Creating Your Own Chapter Order

The Programmed Play option lets you set up a specific order to play back the chapters on a disc.

1. Stop the disc and press the MODE button on the remote.
2. Use the up and down arrows to point to *Programmed Play* and press the right arrow to select it.
3. Use the up and down arrows to select the first chapter or track in your revised playback list, then press SETUP/ENTER.
4. Use the up and down arrows to select the remaining chapters or tracks, pressing SETUP/ENTER after each selection.
5. Press the PLAY/PAUSE button to play your customized chapter order.

Note: To cancel Programmed Play, stop the disc and press the POWER button on the remote.

All programmed chapters are deleted when the disc is removed or the DVD player is turned off.

Using the Counter

You can view the counter position during DVD or CD playback on the screen by pressing the DISPLAY button on the remote. The counter position indicator is labeled *Time*.

You can view the current time and the current counter position on the front panel display by pressing the CLOCK/COUNTER button.

Zooming In and Out

You can zoom in at 2 or 4 times the normal magnification while watching a DVD. To do this:

1. During DVD playback, press the ZOOM button. A small picture of a magnifying glass will be displayed on the screen.
2. Use the up, down, right, and left arrow buttons to move the magnifying glass to the area you want to magnify.
3. Press SETUP/ENTER repeatedly to zoom in at 2X, 4X, 2X, and normal magnification.

Viewing a Different Angle

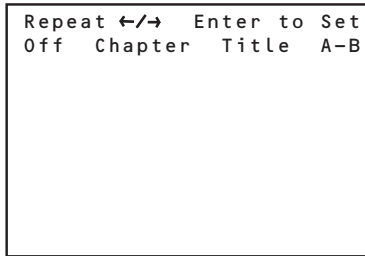
If a small picture of a film camera appears on the front display during playback, you can view the same scene from different perspectives, or angles, while watching. To do this:

1. Check for the small picture of a film camera on the front panel.
2. Press the ANGLE button on the remote.
3. Use the up and down arrows to select one of the available screen angles.

Using Subtitles

Many DVDs provide subtitles in one or more languages. To view and select subtitle options:

1. During playback, press the SUBTITLE button on the remote.
2. Use the up and down arrows to select a language.
3. Use the left and right buttons to turn subtitles on and off.
4. Press SETUP/ENTER to confirm your selection.



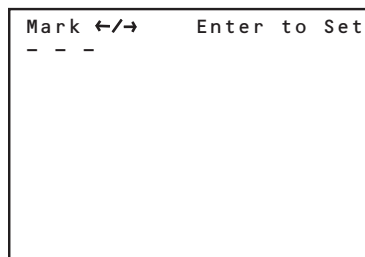
Repeating Specific Sections of a Disc

You can repeat a section of a DVD or CD by first marking the starting point and the end point:

1. During playback, press the REPEAT button.
2. Use the left and right arrows to select *A-B*. The *A* will flash, indicating that you should set the starting point.
3. Press the SETUP/ENTER button at the beginning of the section you want to repeat. This will be point A. The *B* will now flash, indicating that you should set the end point.
4. Press the SETUP/ENTER button at the end of the section you want to repeat. The minimum repeat time is five seconds.
5. The section will now begin repeating in a continuous loop.

To cancel the repeating section:

1. Press the REPEAT button to open the repeat menu.
2. Use the left and right arrows to highlight *Off*, then press SETUP/ENTER.



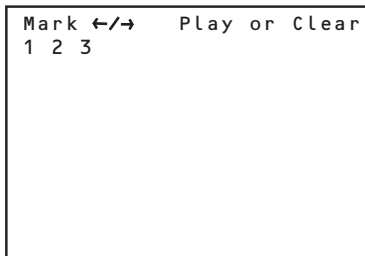
Marking Starting Points

You can access a specific place in a DVD by inserting up to three bookmarks:

1. During playback, press the MARK button on the remote.
2. Use the left and right arrows to move to one of the three bookmark placeholders, which are indicated by dashes (" - - ").
3. Find the place you want to bookmark, then press SETUP/ENTER. The placeholder will change to a number.
4. Repeat steps 2-3 for each bookmark you want to place.
5. When finished, press the MARK button to exit.

To find and play the place you marked:

1. During playback, press the MARK button on the remote.
2. Use the left and right arrows to move to the desired bookmark, labeled 1, 2, or 3.
3. Press PAUSE/PLAY to go to the bookmarked place on the disc.



To clear a bookmark:

1. During playback, press the MARK button on the remote.
2. Use the left and right arrows to move to the bookmark you want to clear, labeled 1, 2, or 3.
3. The bookmark number will flash. Press CLEAR and the number changes to a dash, indicating that the bookmark has been cleared.

Playing Videotapes

Chapter Overview:

- Pausing and Playing in Slow Motion
- Forwarding and Rewinding
- Recording
- Adjusting the Tracking
- Skipping Commercials
- Repeating Sections
- Marking and Finding Sections

Changing Entertainment. Again.



Playing Tapes

You can play S-VHS or VHS tapes in the DVD/VCR. To play a tape, turn on the TV and the DVD/VCR (press ON•OFF on the player or the remote). Then follow the below steps.



1. Insert the tape into the VCR deck. The DVD/VCR will automatically be placed in VCR mode.”
2. Press the Play button on the remote or front panel. If the tape does not have the Record Safety Tab attached and the Auto Play feature is turned on, the tape will begin to play automatically.

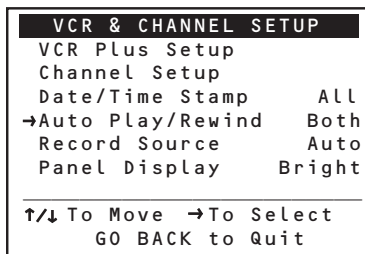
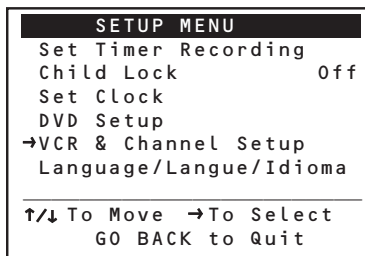
Note: To stop playback, press the STOP button on the remote or front panel.

Press the OPEN/CLOSE button on the remote or the EJECT button on the front panel to eject the tape.

Playing and Rewinding Automatically

You can set up the VCR so that it automatically plays a tape (with its safety tab removed) when you insert it. When this feature is set, the VCR will also automatically rewind any tape when it completes playing. To do this:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to move the on-screen arrow to *VCR & Channel Setup*.
3. Press the right arrow to confirm your selection.
4. Use the up and down arrows on your remote to move the on-screen arrow to *Auto Play/Rewind*.
5. Use the right arrow to choose from the following options:
 - *Both*—Enables both Auto Play and Auto Rewind.
 - *Play*—Enables Auto Play only. Tapes without the record safety tabs will play automatically when you insert them.
 - *Rew*—Enables Auto Rewind only. Tapes will rewind automatically when they are done playing.
 - *None*—Disables both Auto Play and Auto Rewind.
6. Press the GO BACK button on the remote to exit.



Pausing and Playing in Slow Motion

You can pause a tape during playback. While a tape is paused, you can start forward slow motion playback.

1. Press PLAY/PAUSE once to pause playback.
2. Press FORWARD (>>) on the remote for forward slow motion playback. Press the button again to increase the speed.
3. Press PLAY/PAUSE to resume normal playback.

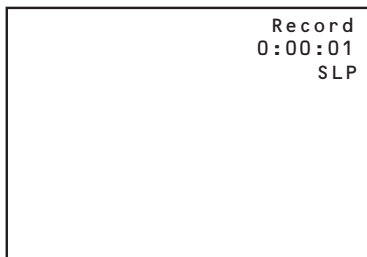
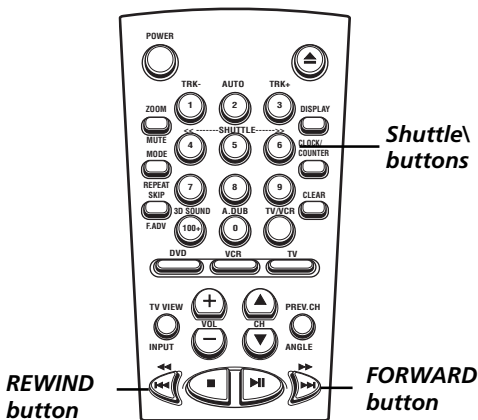
Forwarding and Rewinding

To forward or rewind a tape:

- During playback, press and release either the Forward (>>) button or the Rewind (<<) button to advance or reverse the tape at five times the normal speed.
- During playback, press and hold either the Forward (>>) button or the Rewind (<<) button to advance or reverse at seven times the normal speed.

To gradually increase the speed of the forward or rewind:

- During playback, repeatedly press the SHUTTLE--->> button to increase the speed from normal speed to twice normal speed, to five times normal speed, to seven times normal speed.
- During playback, repeatedly press the <<---SHUTTLE button to decrease the speed from pause to five times slower than normal speed, to seven times slower than normal speed.



Recording

You can quickly record a program with the touch of one button, called One-Touch Record (OTR). To record a program:

1. Turn on your DVD/VCR and your TV.
2. Tune the TV to the channel that receives the DVD/VCR signal (usually Channel 3, 4, or the video input channel—Vid1, Vid2, etc.).
3. Insert a blank VHS tape into the VCR deck.
4. If necessary, press the VCR button, then the TV VIEW button on the remote.
5. Use the number buttons or the channel up and down buttons on your DVD/VCR remote to select the channel you would like to record.

Note: If you are recording from an external device other than the TV, repeatedly press the TV VIEW button to select Line 1 if the external device is connected to the front of the DVD/VCR or Line 2 if the external device is connected to the back of the DVD/VCR.

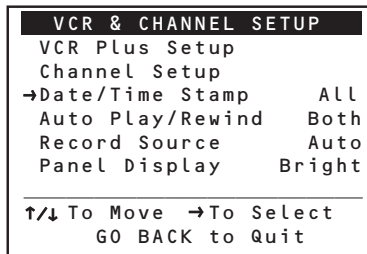
6. Press the REC button on the remote or front panel.

Note: To pause recording, press the PLAY/PAUSE button on your remote. Press the STOP button to stop recording.

Playing Videotapes

Recording the Date and Time

The date and time stamp allows you to overlay the date and time at the beginning of your recordings.



To add the date and time stamp:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrow buttons to point to *VCR & Channel Setup* and then press the right arrow button to select it.
3. Move the selection arrow to *Date/Time Stamp* then press the right arrow button to select from the following options:
 - *Timer*—Time and date will appear only on timer recordings.
 - *All*—Time and date will appear on every recording.
 - *None*—Time and date will not appear.

Recording Speeds

You can change the recording speed from SP (Standard Play) to SLP (Super Long Play) to fit six hour of programming on a T-120 VHS tape. The selected recording speed will appear on the front panel display.

To change the recording speed:

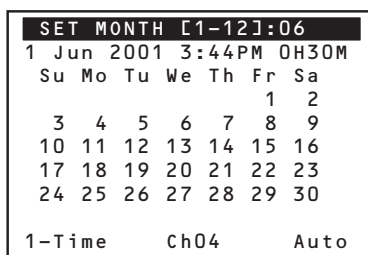
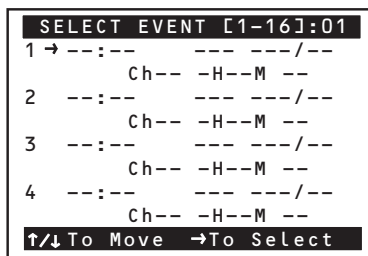
1. Start the recording.
2. Press the SP/SLP button on the remote:
 - *SP*—Standard Play, for best quality.
 - *SLP*—Super Long Play, for maximum recording time (three times as long as SP).

Maximum Recording Time—SP versus SLP

Tape Length	SP	SLP
T-120	2 hrs	6 hrs
T-160	2 hrs 40 min	8 hrs
T-180	3 hrs	9 hrs

Setting a Timer Recording

The timer recording feature lets you program up to 16 events at a time to record up to a year in advance. Once you have set a timer, a small picture of a clock appears on the front panel display.



1. Turn on your DVD/VCR.
2. Insert a blank tape into the VCR deck. Make sure the record safety tab is attached to the tape.
2. Turn on your TV.
3. Tune the TV to the channel that receives the DVD/VCR signal (usually Channels 3, 4, or Video).
4. Press SETUP/ENTER on the remote.
5. Use the up and down buttons to point to *Set Timer Recording*. Then press the right arrow button to confirm the selection.
6. Use the up and down buttons to point to the first available event. Then press the right arrow button to confirm the selection.
7. Use the number buttons or the up and down arrows to set the date and time of the event.

Note: You must enter a valid number. To leave an entry unchanged, press the right arrow button. You must enter the month, day, hour, and minute as two-digit numbers. For example, enter 01 for January and 04:00 for four o'clock.
8. Enter 1 for a.m. or 2 for p.m.
9. Use the number buttons or the up and down arrows to set the length of the event.

Note: You must enter the hours as a one-digit number and minutes as a two digit number. For example, enter 4:03 for four hours and three minutes.
10. Use the number buttons to set how often the event will be recorded.
11. Use the number buttons to tell the DVD/VCR your recording source. Press 1 to record from the television (CH#), press 2 to record from the device connected to the front input jacks (Line 1), or press 3 to record from the device connected to the back input jacks (Line 2).
12. Use the number buttons to choose the channel number you want to record.
13. Use the number buttons to set the speed at which you would like to record. Press 1 to have the speed set automatically, press 2 to record at SP, and press 3 to record at SLP.
14. Press GO BACK to confirm your settings. You will now have the following options:
 - To program another event, select another available event number.

Note: If you scheduled overlapping timers, you will be prompted to either delete one or let them overlap so that the DVD/VCR completely records the first event before starting to record the second event.

 - To edit an event, select its event number.
 - To delete an event, select its event number and press CLEAR on the remote.
15. Press GO BACK to exit the menu.

Playing Videotapes

Using the VCR Plus+ System for Timer Recordings

You can use the VCR Plus+ system to simplify programming timer recordings if you have cable TV and don't receive all channels through a cable box or if you receive your TV signal off-air.

How to Set Up the VCR Plus+ System

You will need to invest a little time to prepare the system. First, map local channels for the VCR Plus+ system using the provided worksheet and abbreviated codes for typical cable services in the U.S. and Canada (see the next page for the Code Lists and the Worksheet).

VCR PLUS CHANNEL LIST			
	VCR+ CH		LOCAL CH
	60		60
→	61		61
	62		62
	63		63
	64		64
↑/↓ To Move 0-9 To Change Press GO BACK to Finish			

1. Press SETUP/ENTER on the remote.
2. Use the up and down arrows to display the *VCR & Channel Setup* menu and press the right arrow to select it.
3. Use the up and down arrows to point to *VCR Plus Setup* and press the right arrow to select it.
4. Select *VCR Channel List*.
5. Use the up and down arrow buttons to point to a channel number that the DVD/VCR recognizes. If the channel number does not correspond with the local channel number, use the number buttons on the remote to enter the correct channel number. Repeat this for each channel number.

How to Use the VCR Plus+ System

To set a timed recording using the VCR Plus+ system menu:

1. Press the VCR PLUS+ button on the remote.
2. Enter the PlusCode® programming number found in most TV program listings. Press the remote control's VCR PLUS+ button to enter.
3. In the SELECT EVENT screen, make sure the program information is correct.

Notes: Use the remote control's CLEAR button to erase timer programs at the SELECT EVENT screen.

You can edit timer entries using the remote control's up and down arrow buttons to select the desired event, then the right arrow button to display the detailed information. Follow on-screen prompts to complete changes.

4. When satisfied that the timer information is correct, press the RETURN button repeatedly to exit out of menus.

To add more time to the end of each recording session:

1. Press SETUP/ENTER on the remote.
2. Use the up and down arrows to display the *VCR & Channel Setup* menu and press the right arrow to select it.
3. Use the up and down arrows to point to *VCR Plus Setup* and press the right arrow to select it.
4. Select *Timer Extend* and select whether you'd like to extend the timer by two or five minutes.

VCR PLUS+	
Enter PlusCode Number (from TV listing)	
- -	
0-9 To Change Press Clear to Cancel	

*VCR Plus+ and PlusCode are registered trademarks of the Gemstar Development Corporation.
The VCR Plus+ system is manufactured under the license from Gemstar Development Corporation.*

Cable TV Code Lists for the VCR Plus+ System Channel Numbers

Refer to this table when you are setting up the VCR Plus+ system. It shows you the channel name and its corresponding number according to the national broadcasts. Use this table to help you complete the worksheet on the following page.

Two-Digit VCR Plus+ System Channel Numbers for Cable TV (USA List)

35	American Movie Classics
39	Arts &-Entertainment
57	Black Entertainment
54	Bravo
42	Cable News Network
45	Cinemax
98	Cinemax 2
37	The Discovery Channel
53	The Disney Channel
63	Entertainment Television
34	ESPN Sports Network
47	The Family Channel
33	Home Box Office
95	Home Box Office 2
96	Home Box Office 3
51	The Learning Channel
46	Lifetime
58	The Movie Channel
48	Music Television
49	The Nashville Network
38	Nickelodeon
64	Nostalgia Television
99	Quality Value Cable
41	Showtime
97	Showtime 2
59	Sports Channel
52	Turner Network Television
44	USA-Network
62	Video Hits 1
93	Viewer's Choice 1
94	Viewer's Choice 2
55	WGN Chicago
43	WTBS Atlanta
60	WWOR-New York

Two-Digit VCR Plus+ System Channel Numbers for Cable TV (Canadian List)

67	Allarcom Pay Television/ Superchannel
44	Arts & Entertainment
72	Cable News Network- Headline News
61	Cable News Network
70	Canadian Home Shopping Network
56	Canal Famille
69	Cathay International Television Inc.
68	Chinavision Canada Corp
60	Country Music Television
63	Family Channel
62	First Choice
96	First Choice Two
97	First Choice Three
99	First Choice Four
90	House of Commons
91	La Chaine Francaise
51	The Learning Channel
65	MeteoMedia/The Weather Network
48	MuchMusic Network
55	MusiquePlus
52	Nashville Network
73	Newsworld/CBC
53	Le Reseau des Sports
43	The Sports Network
64	Super Ecran
37	Super Ecran B
98	Super Ecran C
66	Telatino Network
46	TV5 Montreal
92	Viewer's Choice 1
93	Viewer's Choice 2
94	Viewer's Choice 3
95	Viewer's Choice 4
71	Vision TV: Canada's Faith Network
38	Youth TV, Canada Inc.

Note: Refer to your local TV program listings for a complete VCR Plus+ channel list for your viewing area or contact your cable company. Using the list may save you some time.

Playing Videotapes

The VCR Plus+ System Worksheet

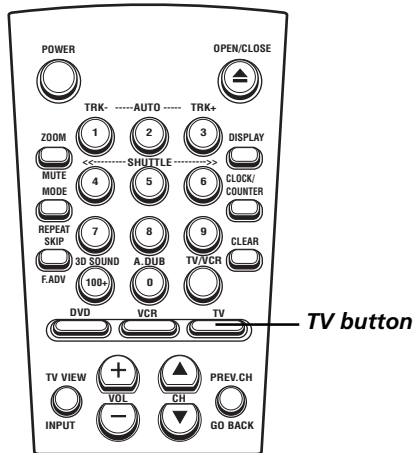
Use this chart to record the channel number on which you receive particular channels. This will be useful when you set up the VCR Plus+ system.

[illegible]

* Check your local or cable listings for the channel number you receive this station on.

** Check your local listings for broadcast or VCR Plus+ channel number assigned.

Recording while Watching a Different Channel or DVD



To watch a different channel than the one you are recording:

1. Start the recording.
2. If your remote is programmed to control the TV, or your TV is RCA, GE, or Proscan, press the TV button on the remote to switch to your TV tuner. Then select a different channel on your television.

If your remote does not control your TV, manually select a different channel on your television.

To watch a DVD while you are recording:

1. Start the recording.
2. Insert a DVD in the DVD deck. The DVD/VCR will automatically switch into DVD mode and you can control the DVD deck.
3. If the DVD does not start automatically, press PLAY/PAUSE.

Recording in 30-Minute Increments

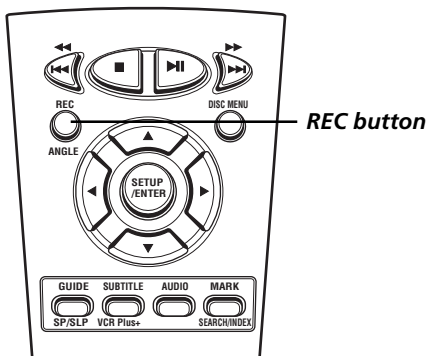
One-touch recording (OTR) lets you record or add recording time in 30-minute increments up to 9 hours and 30 minutes. If you press POWER during recording, the DVD/VCR will turn off automatically when the recording time has elapsed. To set up this type of recording:

1. While recording, press the REC button. *OTR 0:30* should appear on the screen and the VCR should record for exactly 30 minutes from the moment you pressed REC.
2. To add more recording time, continue to press REC. Keep pressing REC until you cycle to the amount of time you would like to set. See the section below for information on continuous loop recording.
3. The DVD/VCR will stop recording automatically when the time has elapsed.

Continuous Loop Recording

Continuous loop recording allows you to record the entire videotape over and over until you press STOP. It is most commonly used for continuous recording of security cameras.

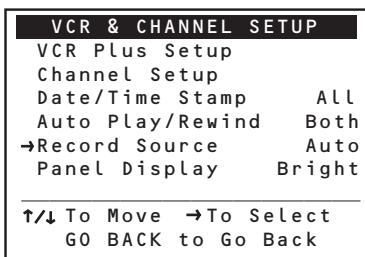
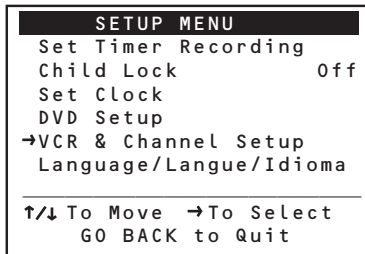
1. Start recording.
2. While recording, press the REC button repeatedly until 9:30 appears on screen.
3. Press the REC button one last time. You have now entered loop record mode. The DVD/VCR will continuously loop until you press STOP.



Recording from an External Device

You can record from a device other than your TV or the DVD deck. To record from another device:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrow buttons to point to *VCR & Channel Setup* and then press the right arrow to select it.
3. Move the selection arrow to *Record Source* and press the right arrow button to select one of the following options:
 - *Auto*—Records what is on the screen, which is set by pressing the TV VIEW button on the remote.
 - *Tuner*—Records from the DVD/VCR's built-in tuner.
 - *Line 1*—Records from the device connected to the jacks in the front of the DVD/VCR player.
 - *Line 2*—Records from the device connected to the jacks in the back of the DVD/VCR player.
 - *DVD*—Records from the DVD deck.



Copying from DVD to VHS

Caution: The unauthorized recording of copyrighted materials may infringe the rights of others.

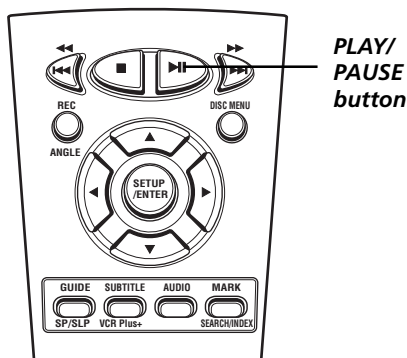
To copy the contents of a DVD to a VHS tape:

1. Insert the disc you wish to copy into the DVD deck and close the drawer.
2. Play the disc until you reach the point you want to record. At that point, press PAUSE on the remote.
3. Insert a blank VHS videotape into the VCR deck.
4. Press the VCR button to enter VCR-controlling mode.
5. Press the REC button.

Note: If the DVD you are attempting to copy is copy protected, you will not be able to copy the disc.

6. Switch to DVD mode by pressing the DVD button on the remote. You might have to repeatedly press the TV VIEW/INPUT button to select the correct input channel.
7. Press PLAY/PAUSE to play the DVD.
8. When the DVD is finished playing, press the VCR button on the remote to switch to VCR mode. You might have to repeatedly press the TV VIEW/INPUT button to select the correct input channel.
9. Press the STOP button to end recording.

Note: You must stop the copying process manually when the DVD ends or the DVD/VCR may replay and record over again.



Adding New Sound to a Videotape

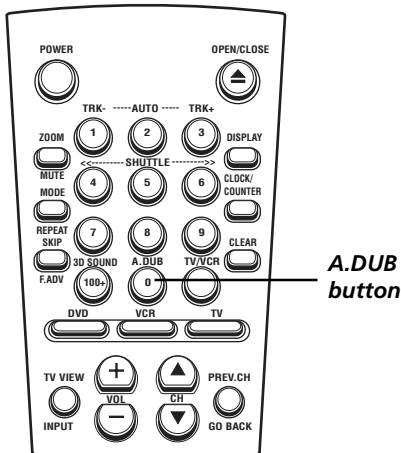
You can replace existing sound on a videotape with sound from:

- A CD or DVD
- A microphone connected to a sound system
- A cassette player

Note: Audio dubbing is applicable only to the mono audio track (normal audio). *Do not perform an Audio Dub on a tape with mono sound or you will lose the old sound information.*

To dub audio:

1. Connect audio/video cable from the audio inputs jacks on the DVD/VCR player to the audio input jacks on your sound system, such as a cassette player.
2. Insert the videotape onto which you want to record the new audio track.
3. Press PLAY/PAUSE to start playback.



4. Use the REWIND button to go back slightly beyond the point at which you want to begin the audio dub.
5. Press PLAY/PAUSE twice to pause the videotape.
6. Press A.DUB on the remote control.
7. Repeatedly press TV VIEW on the remote control to select the source from which the dubbing is to occur.
8. On the sound system, locate the point at which you would like to start playback.
9. Start playback on the sound system.
10. Press PLAY on the remote control.

Notes: The new sound will be recorded on the normal soundtrack of the tape, and the original sound will remain on the Hi-Fi sound track. *Do not perform an Audio Dub on a tape with mono sound or you will lose the old sound information.*

Adjusting the Tracking

Tracking removes white lines that can appear during playback. Your VCR has an auto-tracking feature that automatically aligns the tracks with the playback heads on the VCR to remove the white lines.

You can also set the tracking manually. To do this, during playback press the TRK- and TRK+ buttons on the remote to remove the white lines. To resume auto-tracking, press the AUTO button on the remote.

Skipping Commercials

You can skip the videotape ahead exactly one minute. During playback, press the SKIP button once to advance one minute. Press it repeatedly up to five times to skip ahead 1-5 minutes.

Repeating Sections

During playback, press the REPEAT button on the remote to repeat the last 30 seconds of tape.

Marking and Finding Sections

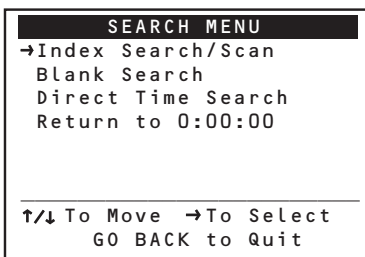
You can quickly mark specific places in a videotape while recording by inserting index marks, which are similar to the bookmarks used in DVDs.



To insert index marks:

1. During recording, find the place on your videotape where you would like to insert an index mark.
2. Press the MARK button on the remote. *IDX* (Index) will flash on screen while the mark is recorded.

Note: Index marks are inserted automatically at the start of every recording.



To find index marks one at the time (index scan):

1. During playback, or while the videotape is stopped, press SEARCH on the remote.
2. Use the up and down arrows to point to *Index Search/Scan*. Press the right arrow to select it.
3. Press the FORWARD (>>) or REWIND (<<) button on the remote to scan for index marks.
4. When a mark is located, it will play for five seconds. To continue watching it, press PLAY/PAUSE. To search for the next mark, wait for the DVD/VCR to continue searching.

INDEX MENU
Index: --

SCAN: Press FF or REW
SEARCH: 1-99 Then FF/REW
GO BACK to Quit

SEARCH MENU

Index Search/Scan
→Blank Search
Direct Time Search
Return to 00:00:00

↑/↓ To Move →To Select
GO BACK to Quit

To find a specific index mark (index search):

1. During playback, or while the videotape is stopped, press SEARCH on the remote.
2. Use the up and down arrows to point to *Index Search/Scan*. Press the right arrow to select it.
3. Enter the index mark number (from 1 to 99).
4. Press the forward or rewind button to begin the search. When the DVD/VCR finds the mark it will play the tape.

To locate the next available blank, unused segment on a videotape:

1. During playback, or while the videotape is stopped, press SEARCH on the remote.
2. Use the up and down arrows to point to *Blank Search*. Press the right arrow to select it.
3. The DVD/VCR will search for the next blank space on your tape and stop. If no blank space is found, it will eject the tape.

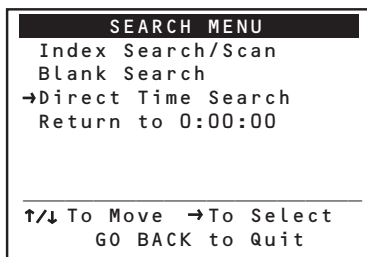
Playing Videotapes

Using the Counter

Pressing the CLOCK/COUNTER button repeatedly cycles the front panel display through the current time, the current counter position, and the amount of time remaining on the tape in the VCR deck.

Searching for a Specific Time

You can locate a specific tape location in hours, minutes, and seconds if you know the counter time. This “Direct Time Search” feature is commonly used for editing purposes. You can advance the tape directly to the beginning of a scene. To search for a specific time:



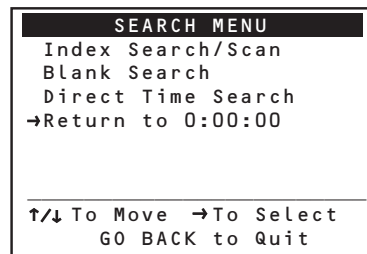
1. During playback, or while the videotape is stopped, press SEARCH on the remote.
2. Use the up and down arrows to point to *Direct Time Search*. Press the right arrow to select it.
3. Press 1 for positive counter values or 2 for negative counter values.
4. Use the number buttons (0-9) to enter the desired counter time in hours, minutes, and seconds. Press CLEAR on the remote if you need to start over.
5. Press the SEARCH/INDEX button on the remote to advance the tape to the specified time.

Resetting the Counter

Press CLEAR to reset the counter position to 0:00:00.

Returning the Counter to 0:00:00

You can advance your videotapes to the counter position 0:00:00 by following these steps:



1. While the videotape is stopped, press SEARCH/INDEX on the remote.
2. Use the up and down arrows to point to *Return to 0:00:00*. Press the right arrow to select it.
3. The tape will advance or rewind to counter position 0:00:00.

Adjusting Settings

Chapter Overview:

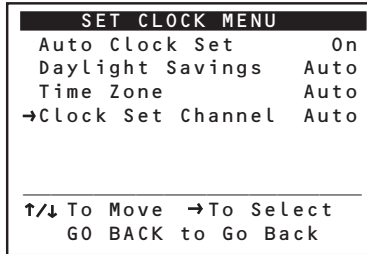
- Setting the Clock
- Setting up Channels
- Changing Languages
- Setting Limits
- Adjusting Audio Settings
- Adjusting Video Settings
- Controlling the Front Panel Display Light

Changing Entertainment. Again.



Setting the Clock

If you were unable to find a local station and set the clock using Auto Setup, you can set the date and time manually by following these steps:



1. Press the SETUP/ENTER button on the remote to display the SETUP MENU.
2. Use the up and down arrows to point to *Set Clock* and press the right arrow to select it.
3. Use the up and down arrows to point to *Auto Clock Set*.
4. Press the right arrow to select *Off*.
5. Use the up and down arrows to point to *Set Clock* and press the right arrow to choose it.
4. Use the right and left arrows to select the month, year, day, hour, minute and am or pm. Press the up and down arrows to set it.

Note: Enter each number as a two-digit number, such as 02 for the second day, month, or hours and 01 for the year 2001.

5. Press the GO BACK button to exit or continue by setting the Daylight Savings setting, the time zone, or a channel by which the clock should be set.

Note: If you specify a channel, you tell the DVD/VCR to set its clock using a station that broadcasts time information, such as a local PBS station. You should use this feature only if automatically setting the clock does not work.

Setting up Channels

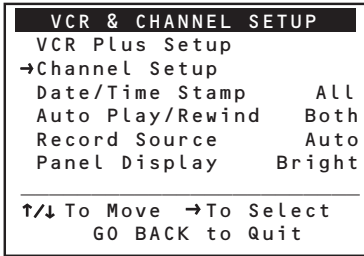
Auto Setup, which occurs when you turn on your DVD/VCR for the first time or after a power outage, is sometimes unable to correctly set up your player. In these cases, you should set up the channels manually by following the instructions in the following sections.

Specifying Antenna or Cable

If you were unable to correctly set up the DVD/VCR's tuner band during Auto Setup, you can manually set it to reflect the type of signal you are receiving through the ANTENNA IN jack—antenna or cable. You should also set it manually if channels are coming in on the wrong channel number.

To specify that you are using an antenna or cable:

1. Press the SETUP/ENTER button on the remote.
2. Use the down arrow to point to *VCR & Channel Setup*. Press the right arrow to select.
3. Use the down arrow to point to *Channel Setup*. Press the right arrow to select.

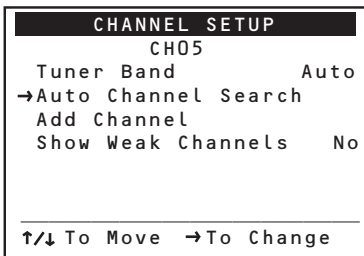
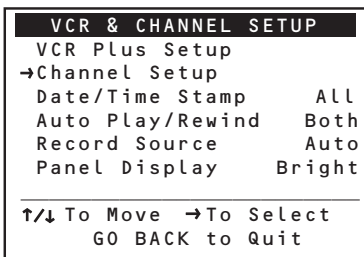


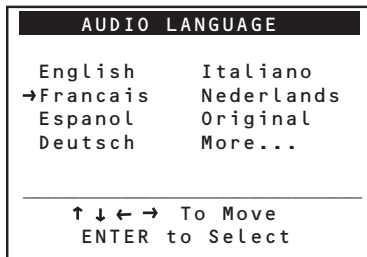
- Use the up and down arrows to point to *Tuner Band* and press the right arrow to select *Tuner Band* and press the right arrow to select from the available options:
 - Auto*—Automatically sets the tuner band.
 - Antenna*—Indicates that the DVD/VCR is connected to a VHF/UHF antenna.
 - Cable*—Indicates that the DVD/VCR is connected to cable TV without a cable box.
- Press the GO BACK button to exit.

Creating and Working with a Channel List

You can create a channel list that contains all the channels available.

- Press the SETUP/ENTER button on the remote.
- Use the up and down arrows to point to *VCR & Channel Setup* and press the right arrow to select it.
- Use the up and down arrows to point to *Channel Setup* and press the right arrow.
 - To find all channels and store them in a channel list, use the up and down arrows to point to “Auto Channel Search” and press the right arrow. The DVD/VCR will search for all channels. This process may take several minutes.
 - If you have already run auto channel search and you want to add or remove a channel to or from the list, first use the number (0-9) buttons to tune to the channel number you wish to add or remove. Then use the up and down arrows to point to *Add/Remove Channel* and press the right arrow.
 - To view channels with a weak reception instead of a blue screen, use the up and down arrows to point to *Show Weak Channels* and press the right arrow to select either No (channels with poor reception will be replaced by a blue screen) or Yes (channels with poor reception will be displayed).



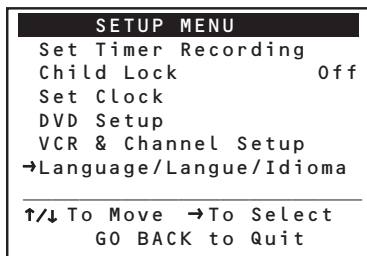


Changing Languages

Changing Audio Language

You can choose your preferred language for DVD audio soundtracks. The language you choose will be played as the default language.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.
Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.
3. Use the up and down arrows to point to *Language/Audio Setup* and press the right arrow.
4. Use the up and down arrows to point to *Audio* and press the right arrow.
5. Use the arrows to point to your choice of audio and press ENTER to select it. If you do not see your preferred audio language choice, select *More* to display additional choices.



Changing the DVD/VCR Menu Language

When you press the SETUP/ENTER button on your remote, the DVD/VCR menu appears in one of three languages. You can specify which language you prefer.

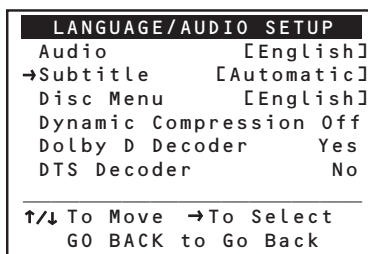
To change the language:

1. Press SETUP/ENTER on the remote.
2. Use the up and down arrow buttons to point to *Language/Langue/Idioma*.
3. Repeatedly press the right arrow button to select *English*, *French*, or *Spanish*.

Changing Subtitle Language

You can choose your preferred language for DVD subtitles. The language you choose will be played as the default subtitle language.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.
Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.
3. Use the up and down arrows to point to *Language/Audio Setup* and press the right arrow to select it.
4. Use the up and down arrows to point to *Subtitle* and press the right arrow.
5. Use the arrows to point to your choice of language and press ENTER to select it. If you do not see your preferred language choice, select *More* to display additional choices.



LANGUAGE/AUDIO SETUP	
Audio	[English]
Subtitle	[Automatic]
→Disc Menu	[English]
Dynamic Compression	Off
Dolby D Decoder	Yes
DTS Decoder	No
↑/↓ To Move →To Select	
GO BACK to Go Back	

Changing Disc Menu Language

You can choose the language in which DVD disc menus appear. The language you choose will be played as the default language.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.

Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.

3. Use the up and down arrows to point to *Language/Audio Setup* and press the right arrow to select it.
4. Use the up and down arrows to point to *Disc Menu* and press the right arrow.
5. Use the arrows to point to your choice of language and press SETUP/ENTER to select it. If you do not see your preferred language choice, select *More* to display additional choices.

Setting Limits

Using Child Lock

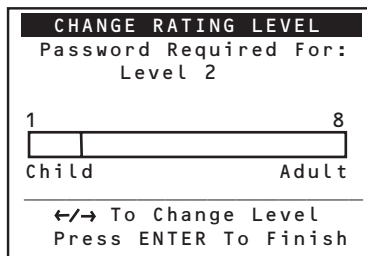
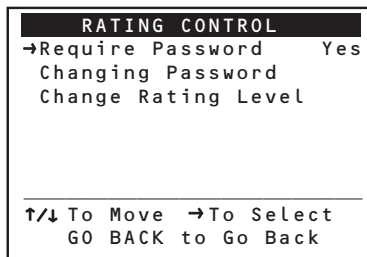
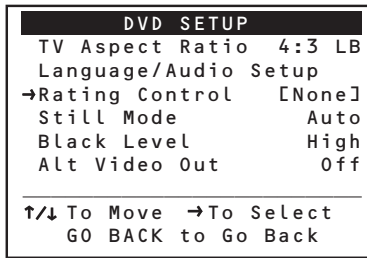
To prevent children from tampering with the DVD/VCR, you can disable all front panel buttons so the DVD/VCR can only be operated with the remote.

To set the child lock:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *Child Lock* and press the right arrow to select on or off.

Important: You will need the remote to disable the child lock and resume normal front panel operation.

SETUP MENU	
Set Timer Recording	
→Child Lock	Off
Set Clock	
DVD Setup	
VCR & Channel Setup	
Language/Langue/Idioma	
↑/↓ To Move →To Select	
GO BACK to Go Back	



Setting Ratings

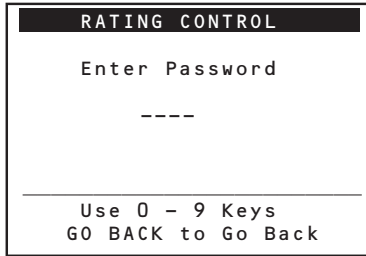
Ratings let you block playback of DVDs based on their content. If a DVD exceeds the set rating, an error message appears. Setting a rating sets the DVD so that a password is required to view any DVD or to change ratings.

To set or change a rating:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.
Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.
3. Use the up and down arrows to point to *Rating Control* and press the right arrow to select it.
4. If you have previously set the rating, the *Enter Password* screen appears, and you should enter your 4-digit password using the number buttons on the remote.
If you have not previously set the rating, press the right arrow to change the *No* to *Yes*. You should then enter a new password.
6. Use the up and down arrows to point to *Change Rating Level* and press the right arrow to select it.
7. Use the left and right arrows to select a rating from the following list:

Level	Rating
1	G (General Audience).
2	
3	PG (Parental Guidance suggested).
4	PG-13
5	
6	R (Restricted)
7	NC-17
8	

Note: All ratings above the level you select will also be blocked. For example, if you block at level 6, then levels 7 and 8 will also be blocked.



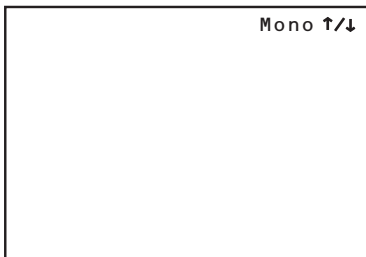
Changing the Password

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.
Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.
3. Use the up and down arrows to point to *Rating Control* and press the right arrow to select it.
4. The *Enter Password* screen appears, and you should enter your 4-digit password using the number buttons on the remote.
5. Use the up and down arrows to point to *Change Password* and press the right arrow to select it.
6. Enter a new password.
7. Enter it again to confirm it and then press GO BACK to return to the previous menus.

Adjusting Audio Settings

Controlling Audio Modes

You can specify an audio mode, which controls the way the sound comes through the DVD/VCR player.

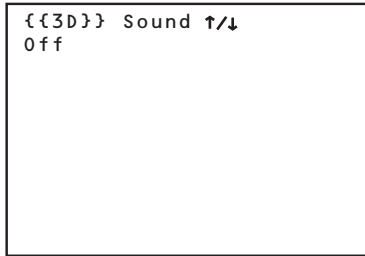


Pressing the AUDIO button on the remote control lets you choose from available audio modes.

1. While watching TV, press the AUDIO button on the remote. The current tuner audio status will be displayed on the screen.
2. Use the up and down arrows to select from the following options:
 - *Mono*—Monaural (single channel) audio that combines the left and right audio signals into one channel. Use when the DVD/VCR is connected to a mono output device, such as a monitor.
 - *Stereo*—Two-channel MTS stereo sound split into left and right channels. When a show is not broadcast in stereo, the sound reverts to mono.
 - *SAP* (Second Audio Program)—An optional audio signal often used to transmit a second language, news, or weather broadcasts.
 - *TV + SAP*—Delivers mono sound from the left channel and a SAP from the right channel. This is useful if you want to listen to a second language with headphones while the primary language is playing through your TV speakers.

Note: Only audio selections available for the selected TV program will be displayed in the menu.

If you press the AUDIO button on the remote during DVD playback, you can select from the available audio options on screen. Use the up and down arrows to make a selection.

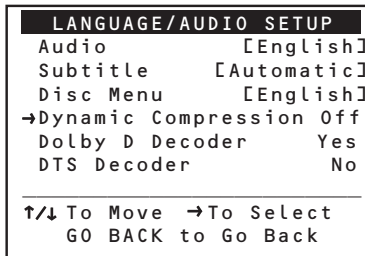


Enabling 3D Sound

You can adjust the audio so as to create the illusion of surround sound with only two speakers.

To enable 3D Sound:

1. During playback of a DVD, press the 3D SOUND button on the remote.
2. Press the up or down arrow buttons to set 3D sound on or off.
3. Press the 3D SOUND button again to confirm your selection.



Using Dynamic Compression

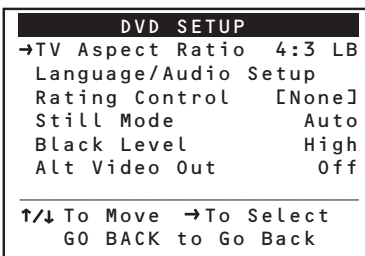
You can constrain the DVD soundtrack's dynamic range, which is the difference between the quietest and loudest passages. By doing this, you limit loud noises, such as explosions, and raise the volume of quiet noises, such as whispers.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.

Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.

3. Use the up and down arrows to point to *Language/Audio Setup* and press the right arrow.
4. Use the up and down arrows to point to *Dynamic Compression*.
5. Press the right arrow to toggle the dynamic compression on and off.
6. Press GO BACK on the remote to exit.

Adjusting Video Settings



Changing the TV Aspect Ratio

You can tell the DVD what your TV aspect ratio (length x width) is so it will display movies at the appropriate size for your TV.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.

Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.

3. Use the up and down arrows to point to *TV Aspect Ratio* and press the right arrow to select from these options:
 - *4:3LB* (Letterbox)—Displays the full width of the widescreen movie on a standard 4:3 TV. As a result, black bars will appear at the top and bottom of the screen.
 - *4:3PS* (Pan & Scan)—Selectively cuts off part of the picture by panning and scanning to keep the most important part of the picture visible. This is the most familiar way of watching DVD and VHS movies.
 - *16:9*—Allows you to view the full 16:9 picture on a widescreen TV.

Adjusting the Black Level

The black level feature adjusts the reference level of black in a video signal.

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.

Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.

DVD SETUP	
TV Aspect Ratio	4:3 LB
Language/Audio Setup	
Rating Control	[None]
Still Mode	Auto
→Black Level	High
Alt Video Out	Off
<hr/>	
↑/↓ To Move	→To Select
GO BACK to Go Back	

3. Use the up and down arrows to point to *Black Level* and press the right arrow to select one of the following options:
 - *High*—Standard NTSC reference black level for consistent brightness and contrast across all sources.
 - *Low*—Enhanced black level for increased brightness and contrast when viewing DVDs.

Changing the Default Pause Image

You can freeze, or pause, a single image on the screen during DVD playback. Because each frame of a standard NTSC video image is made up of two fields (odd and even scan lines), there are two ways to freeze an image during DVD playback. To set these methods:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *DVD Setup* and press the right arrow to select it.

Note: In DVD-controlling mode, the DVD Setup Menu can only be accessed when no disc is playing. To make sure the disc is not playing, press the remote control's DVD button, and then the STOP button.

DVD SETUP		
TV Aspect Ratio	4:3	LB
Language/Audio Setup		
Rating Control	[None]	
→Still Mode	Auto	
Black Level	High	
Alt Video Out	Off	
<hr/>		
↑/↓ To Move	→To Select	
GO BACK to Go Back		

3. Use the up and down arrows to point to *Still Mode* and press the right arrow to select one of the following options:
 - *Auto*—Automatically selects the way the pause takes place by detecting a motion in the scene.
 - *Frame*—Pauses the scene and allows you to see fine text more clearly than in Auto mode.
 - *Field*—Pauses the scene without shaking.

Controlling Front Panel Display Light

You can adjust the front panel display's light by following these steps:

1. Press the SETUP/ENTER button on the remote.
2. Use the up and down arrows to point to *VCR & Channel Setup* and press the right arrow to select it.
3. Move the selection arrow to *Panel Display* and press the right arrow to select one of the following options:
 - *Auto*—If selected, the front panel display will dim during DVD playback and between 10 pm and 6 am. At all other times, it will be bright.
 - *Bright*—If selected, the front panel display will always be bright.
 - *Dim*—If selected, the front panel display will always be dim.
 - *Off*—If selected, the front panel display will always remain off.

VCR & CHANNEL SETUP	
VCR Plus Setup	
Channel Setup	
Date/Time Stamp	All
Auto Play/Rewind	Both
Record Source	Auto
→Panel Display	Bright
↑/↓ To Move →To Select	
GO BACK to Go Back	

Other Information

Chapter Overview:

- Limited Warranty
- Accessories and Order Form
- Index

Changing Entertainment. Again.



Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- 90 days from date of purchase - Unit exchange, which includes parts and labor.
- 91 days to 1 year from date of purchase - Unit exchange, which includes parts only; you pay the labor.
- The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

During the initial 90 days:

Exchange the DVD/VCR Combo with a new or, at our option, refurbished unit.

After the 90 days and within one year:

Exchange the DVD/VCR Combo with a new or, at our option, refurbished unit. We will bill you a flat exchange charge to replace a defective unit. This charge covers the labor cost for its repair.

How you get service:

- Call 1-800-311-9263 and have your unit's date of purchase and model/serial number ready. The model/serial number information is on the back of your unit.
- A representative will troubleshoot your problem over the phone.
- If the representative determines that you should receive a replacement unit you will be provided with a Service Request (SR) number and the location of a nearby exchange point if one exists. No returns will be accepted without the SR number.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

To receive a replacement unit before you return yours:

Option I:

1. Provide your Discover, MasterCard or Visa account number and expiration date to your phone representative. This is for security purposes only and your account will not be charged at this time.
2. We will send you a replacement unit.
3. If you return the unit to us within 14 days from the date you were provided a SR number, only items not covered by warranty will be charged to your account. If your unit is not received within 14 days, the suggested retail value of the unit will be charged to your credit card. This amount will be credited, less a \$10 handling fee, if the unit is subsequently received.
4. Ship your defective unit back to us using the replacement unit's carton. Shipping instructions will be included on the carton along with your SR number which will allow you to easily ship the unit back to us. Make sure you insure your shipment in case of damage or loss. Include with the shipment:
 - Evidence of purchase date such as a bill of sale.
 - A brief note describing your unit's problem.
 - Your name, address and phone number.

Option II:

1. For a fee of \$10.00, we will send a replacement unit to our exchange point.
2. The exchange location will notify you of its arrival.
3. Take your unit and evidence of purchase date, such as a bill of sale, to the exchange location and you will be provided the new or refurbished unit. Please retain all accessories such as the remote hand unit.

4. If the repairs are covered by your warranty, you will not be billed.
Thomson assumes no responsibility for warranty shipments from the customer to the factory if not shipped in the manner prescribed by Thomson.
Return transportation, storage, handling and insurance costs are your responsibility. We accept no responsibility in case of damage or loss.

To receive a replacement unit after we have received your unit:

- Write the SR number on the outside of the carton used to return the unit. Make sure you insure your shipment in case of damage or loss.
- Carefully pack the unit using the original box and packing material if possible. Please retain all accessories that were included with your unit such as the remote hand unit.
- Include with the shipment:
 1. Evidence of purchase date, such as a bill of sale, to verify your unit's warranty eligibility.
 2. A brief note describing your unit's problem.
 3. Your name, address and phone number.
- The representative will advise the addressee to mail a cashier's check or money order for payment if there are any out of warranty labor or parts charges, and you elect not to use your credit card.
- After we receive your product, a new or refurbished unit will be shipped to you.

What your warranty *does not* cover:

- Acts of nature, such as but not limited to lightning damage.
- Adjustment of customer controls.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Batteries.
- The cleaning of Audio/Video heads.
- Units purchased or serviced outside the U.S.A.
- Shipping damage if the unit was not packed and shipped in the manner prescribed by Thomson.
- Storage fees may be charged by the exchange point if you fail to pickup the replacement unit in a timely manner.

Product Registration:

- Please complete and mail the Product Registration Card packed with your DVD/VCR Combo product. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. See your dealer for warranty information.

FCC Declaration of Conformity

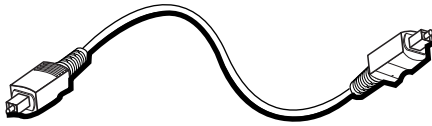
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

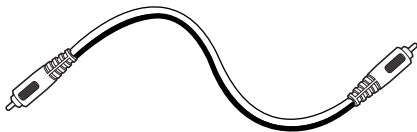
Accessories



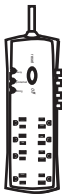
Optical Plug to Optical Plug DV3 (3 ft.) DV6 (6 ft.)



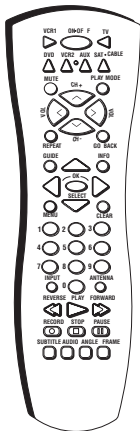
Optical Plug to Mini Plug DV3M (3 ft.) DV6M (6 ft.)



Mini Plug to Mini Plug DV3MM (3 ft.) DV6MM (6 ft.)
(Coaxial Digital Audio Cable)



Surge Protector
(SCTV160)



Universal Remote (CRK76DA1)

Remote may not operate all functions of
this DVD/VCR player.

Accessory Order Form for Your VCR/DVD

Description	Part No.	Price	Qty
Optical Plug to Optical Plug (3 ft.)	DV3	\$15.95	
Optical Plug to Optical Plug (6 ft.)	DV6	\$19.95	
Optical Plug to Mini Plug (3 ft.)	DV3M	\$15.95	
Optical Plug to Mini Plug (6 ft.)	DV6M	\$19.95	
Mini Plug to Mini Plug (3 ft.)	DV3MM	\$15.95	
Mini Plug to Mini Plug (6 ft.)	DV6MM	\$19.95	
Remote (CRK76DA1)	240897	\$28.65	
Surge Protector	SCTV160	\$49.95	

Total Merchandise.....	\$
Sales Tax.....	\$
We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.	
Shipping and Handling.....	\$ 5.00
Total Amount Enclosed.....	\$
Use VISA, MasterCard or Discover Card preferably. Money order or check must be in U.S. currency only. No COD or CASH.	

Prices are subject to change without notice.

All accessories are subject to availability.



Detach Here

Please complete other side also

Other Information

Charge your order on your VISA,
MasterCard, or Discover Card by
filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number
from your VISA card



--	--	--	--

My card expires:

--	--

--	--

IMPORTANT: Copy complete account number
from your MasterCard



--	--	--	--

Copy Number
above your
name on
MasterCard

--	--	--	--

My card
expires:

--	--	--	--

IMPORTANT: Copy complete account number
from your Discover Card



--	--	--	--

My card expires:

--	--

--	--

AUTHORIZED SIGNATURE
(Credit card order will not be processed without signature)

Print or type your name and address clearly.



A complete and correct order will save you days of waiting.

Name: _____

Street: _____

Apt. _____City: _____

State: _____ Zip: _____

Daytime Telephone No.: _____

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.

Accessories Order Form

To Place an Order:

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items listed on this order form.

1-800-338-0376

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson Consumer Electronics, Inc.) to the following address:

Video Accessories

PO Box 8419

Ronks, PA 17573

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